#### TITLE

# N-UREIDOHETEROCYCLOALKYL-PIPERIDINES AS MODULATORS OF CHEMOKINE RECEPTOR ACTIVITY

5 <u>FIELD OF THE INVENTION</u>

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This invention relates generally to modulators of chemokine receptor activity, pharmaceutical compositions containing the same, and methods of using the same as agents for treatment and prevention of inflammatory diseases such as asthma and allergic diseases, as well as autoimmune pathologies such as rheumatoid arthritis and atherosclerosis.

## BACKGROUND OF THE INVENTION

15 Chemokines are chemotactic cytokines, of molecular weight 6-15 kDa, that are released by a wide variety of cells to attract and activate, among other cell types, macrophages, T and B lymphocytes, eosinophils, basophils and neutrophils (reviewed in Luster, New Eng. J Med., 20 338, 436-445 (1998) and Rollins, Blood, 90, 909-928 There are two major classes of chemokines, CXC and CC, depending on whether the first two cysteines in the amino acid sequence are separated by a single amino acid (CXC) or are adjacent (CC). The CXC chemokines, 25 such as interleukin-8 (IL-8), neutrophil-activating protein-2 (NAP-2) and melanoma growth stimulatory activity protein (MGSA) are chemotactic primarily for neutrophils and T lymphocytes, whereas the CC chemokines, such as RANTES, MIP-1 $\alpha$ , MIP-1 $\beta$ , the monocyte chemotactic proteins (MCP-1, MCP-2, MCP-3, MCP-4, and MCP-5) and the 30 eotaxins (-1,-2, and -3) are chemotactic for, among other cell types, macrophages, T lymphocytes, eosinophils, dendritic cells, and basophils. There also exist the chemokines lymphotactin-1, lymphotactin-2 (both C 35 chemokines), and fractalkine (a CXXXC chemokine) that do not fall into either of the major chemokine subfamilies.

The chemokines bind to specific cell-surface receptors belonging to the family of G-protein-coupled



seven-transmembrane-domain proteins (reviewed in Horuk, Trends Pharm. Sci., 15, 159-165 (1994)) which are termed "chemokine receptors." On binding their cognate ligands, chemokine receptors transduce an intracellular signal through the

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associated trimeric G proteins, resulting in, among other responses, a rapid increase in intracellular calcium concentration, changes in cell shape, increased expression of cellular adhesion molecules, degranulation, 10 and promotion of cell migration. There are at least ten human chemokine receptors that bind or respond to CC chemokines with the following characteristic patterns: CCR-1 (or "CKR-1" or "CC-CKR-1") [MIP-1 $\alpha$ , MCP-3, MCP-4, RANTES] (Ben-Barruch, et al., Cell, 72, 415-425 (1993), Luster, New Eng. J. Med., 338, 436-445 (1998)); CCR-2A 15 and CCR-2B (or "CKR-2A"/"CKR-2B" or "CC-CKR-2A"/"CC-CKR-2B") [MCP-1, MCP-2, MCP-3, MCP-4, MCP-5] (Charo et al., Proc. Natl. Acad. Sci. USA, 91, 2752-2756 (1994), Luster, New Eng. J. Med., 338, 436-445 (1998)); CCR-3 (or "CKR-3" or "CC-CKR-3") [eotaxin-1, eotaxin-2, RANTES, MCP-3, MCP-20 4] (Combadiere, et al., J. Biol. Chem., 270, 16491-16494 (1995), Luster, New Eng. J. Med., 338, 436-445 (1998)); CCR-4 (or "CKR-4" or "CC-CKR-4") [TARC, MIP-1 $\alpha$ , RANTES, MCP-1] (Power et al., J. Biol. Chem., 270, 19495-19500 (1995), Luster, New Eng. J. Med., 338, 436-445 (1998)); 25 CCR-5 (or "CKR-5" OR "CC-CKR-5") [MIP- $1\alpha$ , RANTES, MIP- $1\beta$ ] (Sanson, et al., Biochemistry, 35, 3362-3367 (1996)); CCR-6 (or "CKR-6" or "CC-CKR-6") [LARC] (Baba et al., J. Biol. Chem., 272, 14893-14898 (1997)); CCR-7 (or "CKR-7" or "CC-CKR-7") [ELC] (Yoshie et al., J. Leukoc. Biol. 62, 30 634-644 (1997)); CCR-8 (or "CKR-8" or "CC-CKR-8") [I-309, TARC, MIP-1 $\beta$ ] (Napolitano et al., J. Immunol., 157, 2759-2763 (1996), Bernardini et al., Eur. J. Immunol., 28, 582-588 (1998)); and CCR-10 (or "CKR-10" or "CC-CKR-10") 35 [MCP-1, MCP-3] (Bonini et al, DNA and Cell Biol., 16, 1249-1256 (1997)).

In addition to the mammalian chemokine receptors, mammalian cytomegaloviruses, herpesviruses and poxviruses

have been shown to express, in infected cells, proteins with the binding properties of chemokine receptors (reviewed by Wells and Schwartz, Curr. Opin. Biotech., 8, 741-748 (1997)). Human CC chemokines, such as RANTES and MCP-3, can cause rapid mobilization of calcium via these virally encoded receptors. Receptor expression may be permissive for infection by allowing for the subversion of normal immune system surveillance and response to infection. Additionally, human chemokine receptors, such as CXCR4, CCR2, CCR3, CCR5 and CCR8, can act as correceptors for the infection of mammalian cells by microbes as with, for example, the human immunodeficiency viruses (HIV).

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Chemokine receptors have been implicated as being 15 important mediators of inflammatory, infectious, and immunoregulatory disorders and diseases, including asthma and allergic diseases, as well as autoimmune pathologies such as rheumatoid arthritis and atherosclerosis. example, the chemokine receptor CCR-3 plays a pivotal 20 role in attracting eosinophils to sites of allergic inflammation and in subsequently activating these cells. The chemokine ligands for CCR-3 induce a rapid increase in intracellular calcium concentration, increased expression of cellular adhesion molecules, cellular 25 degranulation, and the promotion of eosinophil migration. Accordingly, agents which modulate chemokine receptors would be useful in such disorders and diseases. addition, agents which modulate chemokine receptors would also be useful in infectious diseases such as by blocking 30 infection of CCR3 expressing cells by HIV or in preventing the manipulation of immune cellular responses by viruses such as cytomegaloviruses.

A substantial body of art has accumulated over the past several decades with respect to substituted piperidines and pyrrolidines. These compounds have implicated in the treatment of a variety of disorders.

WO 98/25604 describes spiro-substituted azacycles which are useful as modulators of chemokine receptors:

wherein  $R_1$  is  $C_{1-6}$  alkyl, optionally substituted with functional groups such as  $-NR^6CONHR^7$ , wherein  $R^6$  and  $R^7$  may be phenyl further substituted with hydroxy, alkyl, cyano, halo and haloalkyl. Such spiro compounds are not considered part of the present invention.

WO 95/13069 is directed to certain piperidine, pyrrolidine, and hexahydro-1H-azepine compounds of general formula:

$$\begin{array}{c} H \\ R_1 \stackrel{H}{\longrightarrow} NHCO-A-N \\ C=O \\ (CH_2)_n \stackrel{W}{\longrightarrow} X \\ R_3 \stackrel{W}{\longrightarrow} X \end{array}$$

wherein A may be substituted alkyl or Z-substituted alkyl, with  $Z=NR_{6a}$  or O. Compounds of this type are claimed to promote the release of growth hormone in humans and animals.

WO 93/06108 discloses pyrrolobenzoxazine derivatives as 5-hydroxytryptamine (5-HT) agonists and antagonists:

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wherein A is lower alkylene and R<sup>4</sup> may be phenyl optionally substituted with halogen.

U.S. Pat. No. 5,668,151 discloses Neuropeptide Y (NPY) antagonists comprising 1,4-dihydropyridines with a

piperidinyl or tetrahydropyridinyl-containing moiety attached to the 3-position of the 4-phenyl ring:

$$R^{3}$$
 $R^{2}$ 
 $R^{1}O_{2}C$ 
 $R^{5}$ 
 $R^{5}$ 

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wherein B may be NH,  $NR^1$ , O, or a bond, and  $R^7$  may be substituted phenyl, benzyl, phenethyl and the like.

Patent publication EP 0 903 349 A2 discloses CCR-3 receptor antagonists comprising cyclic amines of the following structure:

$$Ar-(F)-(E)-CR^3R^4-(CHR)_m-T$$
 $U-Q-Ar^1$ 

wherein T and U may be both nitrogen or one of T and U is nitrogen and the other is carbon and E may be  $-NR^6CONR^5$ -and others.

These reference compounds are readily distinguished structurally by either the nature of the urea functionality, the attachment chain, or the possible substitution of the present invention. The prior art does not disclose nor suggest the unique combination of structural fragments which embody these novel piperidine amides as having activity toward the chemokine receptors.

## SUMMARY OF THE INVENTION

Accordingly, one object of the present invention is to provide novel agonists or antagonists of CCR-3, or pharmaceutically acceptable salts or prodrugs thereof.

It is another object of the present invention to provide pharmaceutical compositions comprising a pharmaceutically acceptable carrier and a therapeutically effective amount of at least one of the compounds of the present invention or a pharmaceutically acceptable salt or prodrug form thereof.

It is another object of the present invention to provide a method for treating inflammatory diseases and

allergic disorders comprising administering to a host in need of such treatment a therapeutically effective amount of at least one of the compounds of the present invention or a pharmaceutically acceptable salt or prodrug form thereof.

It is another object of the present invention to provide novel N-ureidoheterocycloalkyl-piperidines for use in therapy.

It is another object of the present invention to provide the use of novel N-ureidoheterocycloalkylpiperidines for the manufacture of a medicament for the treatment of allergic disorders.

These and other objects, which will become apparent 15 during the following detailed description, have been achieved by the inventors' discovery that compounds of formula (I):

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or stereoisomers or pharmaceutically acceptable salts thereof, wherein E, Z, M, J, K, L, Q,  $R^1$ ,  $R^2$ ,  $R^3$ , and  $R^4$ are defined below, are effective modulators of chemokine activity.

#### DETAILED DESCRIPTION OF PREFERRED EMBODIMENTS

Thus, in a first embodiment, the present invention provides novel compounds of formula (I):

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or stereoisomers or pharmaceutically acceptable salts thereof, wherein:

M is absent or selected from  $CH_2$ ,  $CHR^5$ ,  $CHR^{13}$ ,  $CR^{13}R^{13}$ , and  $CR^5R^{13}$ ;

Q is selected from  $CH_2$ ,  $CHR^5$ ,  $CHR^{13}$ ,  $CR^{13}R^{13}$ , and  $CR^5R^{13}$ ;

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J and K are independently selected from  $CH_2$ ,  $CHR^5$ ,  $CHR^6$ ,  $CR^6R^6$  and  $CR^5R^6$ ;

L is selected from  $CHR^5$  and  $CR^5R^6$ ;

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with the proviso:

when M is absent, J is selected from  $CH_2$ ,  $CHR^5$ ,  $CHR^{13}$ , and  $CR^5R^{13}$ ;

15 Z is selected from O, S,  $NR^{1a}$ ,  $C(CN)_2$ ,  $CH(NO_2)$ , and CHCN;

 $R^{1a}$  is selected from H,  $C_{1-6}$  alkyl,  $C_{3-6}$  cycloalkyl,  $C_{3-6}$  cycloalky

20  $R^{1b}$  is independently selected from H,  $C_{1-3}$  alkyl,  $C_{3-6}$  cycloalkyl, and phenyl;

25 G is selected from a bond, C=O, and SO2;

Ring B is a 5, 6, or 7 membered saturated heterocyclic ring wherein the heterocycle ring includes  $-NR^9-$ , -O-,  $-S(O)_p-$ ,  $-NR^{9d}C(O)-$ ,  $-C(O)NR^{9d}-$ , -C(O)O-, -OC(O)-,  $-NR^{9d}C(O)NR^{9d}$ ,  $-NR^{9d}C(O)O-$ ,  $-NR^{9d}S(O)_2-$ ,  $-S(O)_2NR^{9d}$ , or  $-OC(O)NR^{9d}-$ , the heterocycle ring being optionally substituted by O-2  $R^8$ ;

- $R^1$  and  $R^2$  are independently selected from H,  $C_{1-8}$  alkyl,  $C_{3-8}$  alkenyl,  $C_{3-8}$  alkynyl, and  $(CH_2)_rC_{3-6}$  cycloalkyl;
- 5 R³ is selected from methyl substituted with 0-1 R¹0, C₂-8 alkyl substituted with 0-3 R³, C₃-8 alkenyl substituted with 0-3 R³, C₃-8 alkynyl substituted with 0-3 R³, C₂ fluoroalkyl, C₃-8 haloalkyl, a (CR³'R³")<sub>r</sub>-C₃-10 carbocyclic residue substituted with 0-5 R¹5 and a (CR³'R³")<sub>r</sub>-5-10 membered heterocyclic system containing 1-4 heteroatoms selected from N, 0, and S, substituted with 0-3 R¹5;
- $R^{3}$ ' and  $R^{3}$ ", at each occurrence, are selected from H,  $C_{1-6}$  alkyl,  $(CH_2)_rC_{3-6}$  cycloalkyl, and phenyl;
- $R^4$  is absent, taken with the nitrogen to which it is attached to form an N-oxide, or selected from  $C_{1-8}$  alkyl,  $C_{3-8}$  alkenyl,  $C_{3-8}$  alkynyl,  $(CH_2)_rC_{3-6}$  cycloalkyl,  $(CH_2)_qC(0)R^{4b}$ ,  $(CH_2)_qC(0)NR^{4a}R^{4a'}$ ,  $(CH_2)_qC(0)OR^{4b}$ , and a  $(CH_2)_r-C_{3-10}$  carbocyclic residue substituted with 0-3  $R^{4c}$ ;
- $R^{4a}$  and  $R^{4a'}$ , at each occurrence, are selected from H,  $C_{1-6}$  25 alkyl,  $(CH_2)_rC_{3-6}$  cycloalkyl, and phenyl;
  - $R^{4b}$ , at each occurrence, is selected from  $C_{1-6}$  alkyl,  $C_{3-8}$  alkenyl,  $(CH_2)_rC_{3-6}$  cycloalkyl,  $C_{3-8}$  alkynyl, and phenyl;
- $R^{4c}$ , at each occurrence, is selected from  $C_{1-6}$  alkyl,  $C_{2-8}$  alkenyl,  $C_{2-8}$  alkynyl,  $C_{3-6}$  cycloalkyl, Cl, F, Br, I, CN,  $NO_2$ ,  $(CF_2)_rCF_3$ ,  $(CH_2)_rOC_{1-5}$  alkyl,  $(CH_2)_rOH$ ,  $(CH_2)_rSC_{1-5}$  alkyl,  $(CH_2)_rNR^{4a}R^{4a'}$ , and  $(CH_2)_rPhenyl$ ;

 $R^5$  is selected from a  $(CR^5'R^5'')_t-C_{3-10}$  carbocyclic residue substituted with 0-5  $R^{16}$  and a  $(CR^5'R^5'')_t-5-10$  membered heterocyclic system containing 1-4 heteroatoms selected from N, O, and S, substituted with 0-3  $R^{16}$ ;

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- $R^{5}$ ' and  $R^{5}$ ", at each occurrence, are selected from H,  $C_{1-6}$  alkyl,  $(CH_2)_rC_{3-6}$  cycloalkyl, and phenyl;
- 10 R<sup>6</sup>, at each occurrence, is selected from  $C_{1-6}$  alkyl,  $C_{2-8}$  alkenyl,  $C_{2-8}$  alkynyl,  $(CH_2)_rC_{3-6}$  cycloalkyl,  $(CF_2)_rCF_3$ , CN,  $(CH_2)_rNR^{6a}R^{6a'}$ ,  $(CH_2)_rOH$ ,  $(CH_2)_rOR^{6b}$ ,  $(CH_2)_rSH$ ,  $(CH_2)_rSR^{6b}$ ,  $(CH_2)_rC(O)OH$ ,  $(CH_2)_rC(O)R^{6b}$ ,  $(CH_2)_rC(O)NR^{6a}R^{6a'}$ ,  $(CH_2)_rNR^{6d}C(O)R^{6a}$ ,  $(CH_2)_rC(O)OR^{6b}$ ,  $(CH_2)_rOC(O)R^{6b}$ ,  $(CH_2)_rS(O)_pR^{6b}$ ,  $(CH_2)_rS(O)_2NR^{6a}R^{6a'}$ ,  $(CH_2)_rNR^{6d}S(O)_2R^{6b}$ , and  $(CH_2)_tphenyl$  substituted with 0-3  $R^{6c}$ ;
- $R^{6a}$  and  $R^{6a'}$ , at each occurrence, are selected from H,  $C_{1-6}$  20 alkyl,  $C_{3-6}$  cycloalkyl, and phenyl substituted with 0-3  $R^{6c}$ ;
  - $R^{6b}$ , at each occurrence, is selected from  $C_{1-6}$  alkyl,  $C_{3-6}$  cycloalkyl, and phenyl substituted with 0-3  $R^{6c}$ ;
- $R^{6c}$ , at each occurrence, is selected from  $C_{1-6}$  alkyl,  $C_{3-6}$  cycloalkyl, Cl, F, Br, I, CN,  $NO_2$ ,  $(CF_2)_rCF_3$ ,  $(CH_2)_rOC_{1-5}$  alkyl,  $(CH_2)_rOH$ ,  $(CH_2)_rSC_{1-5}$  alkyl, and  $(CH_2)_rNR^{6d}R^{6d}$ ;
- $R^{6d}$ , at each occurrence, is selected from H,  $C_{1-6}$  alkyl, and  $C_{3-6}$  cycloalkyl;
- with the proviso that when any of J or K is  $CR^6R^6$  and  $R^6$  is cyano, or bonded to the carbon to which it is

attached through a heteroatom, the other R<sup>6</sup> is not cyano, or bonded to the carbon to which it is attached through a heteroatom;

5  $R^7$  is selected from  $NO_2$ , CN,  $NR^{7a}R^{7a}$ , OH,  $OR^{7d}$ , C(O)H, C(O)OH,  $C(O)R^{7b}$ ,  $C(O)NR^{7a}R^{7a}$ ,  $NR^{7f}C(O)OR^{7d}$ ,  $OC(O)NR^{7a}R^{7a}$ ,  $NR^{7f}C(O)R^{7b}$ ,  $NR^{7f}C(O)NR^{7f}R^{7f}$ ,  $C(O)OR^{7d}$ ,  $OC(O)R^{7b}$ ,  $C(=NR^{7f})NR^{7a}R^{7a}$ ,  $NHC(=NR^{7f})NR^{7f}R^{7f}$ ,  $S(O)_pR^{7b}$ ,  $S(O)_2NR^{7a}R^{7a}$ ,  $NR^{7f}S(O)_2R^{7b}$ ,  $C_{1-6}$  haloalkyl;

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- $R^{7a}$  and  $R^{7a'}$ , at each occurrence, are selected from H,  $C_{1-6}$  alkyl,  $C_{3-8}$  alkenyl,  $C_{3-8}$  alkynyl, a  $(CH_2)_r-C_{3-10}$  carbocyclic residue substituted with 0-5  $R^{7e}$ , and a  $(CH_2)_r-5-10$  membered heterocyclic system containing 1-4 heteroatoms selected from N, O, and S, substituted with 0-2  $R^{7e}$ ;
- alternatively, R<sup>7a</sup> and R<sup>7a'</sup>, along with the N to which they are attached, join to form a 5-6 membered heterocyclic system containing 1-2 heteroatoms selected from NR<sup>7h</sup>, O, and S and optionally fused with a benzene ring or a 6-membered aromatic heterocycle;
- 25  $R^{7b}$ , at each occurrence, is selected from H,  $C_{1-6}$  alkyl,  $C_{3-8}$  alkenyl,  $C_{3-8}$  alkynyl, a  $(CH_2)_r-C_{3-6}$  carbocyclic residue substituted with 0-3  $R^{7e}$ , and  $(CH_2)_r-5-6$  membered heterocyclic system containing 1-4 heteroatoms selected from N, O, and S, substituted with 0-2  $R^{7e}$ ;
  - $R^{7d}$ , at each occurrence, is selected from  $C_{3-8}$  alkenyl,  $C_{3-8}$  alkynyl, methyl,  $CF_3$ ,  $C_{2-6}$  alkyl substituted with 0-3  $R^{7e}$ , a  $(CH_2)_r$ - $C_{3-10}$  carbocyclic residue substituted with 0-3  $R^{7e}$ , and a  $(CH_2)_r$ 5-6 membered

heterocyclic system containing 1-4 heteroatoms selected from N, O, and S, substituted with 0-3  $R^{7e}$ ;

- R<sup>7e</sup>, at each occurrence, is selected from  $C_{1-6}$  alkyl,  $C_{2-8}$  alkenyl,  $C_{2-8}$  alkynyl,  $(CH_2)_rC_{3-6}$  cycloalkyl,  $C(0)C_{1-6}$  alkyl,  $C(0)OC_{1-6}$  alkyl,  $C(0)OC_{1-6}$  alkyl,  $C(0)OC_{1-6}$  alkyl,  $C(0)OC_{1-6}$  alkyl,  $C(0)OC_{1-6}$  alkyl,  $C(0)OC_{1-5}$  alkyl,  $C(0)OC_{1-6}$  alkyl, C(
- $R^{7f}$ , at each occurrence, is selected from H,  $C_{1-6}$  alkyl, C<sub>3-6</sub> cycloalkyl, and phenyl;
  - $R^{7g}$  is selected from methyl, ethyl, acetyl, and  $CF_3$ ;
- $R^{7h}$  is selected from H,  $C_{1-6}$  alkyl,  $C_{3-6}$  cycloalkyl,  $(CH_2)_r phenyl, C(0)R^{7f}, C(0)OR^{7i}, and SO_2R^{7i};$ 
  - $R^{7i}$ , at each occurrence, is selected from  $C_{1-6}$  alkyl,  $C_{3-6}$  cycloalkyl;
- 25  $R^8$  is selected from  $C_{1-6}$  alkyl,  $C_{2-8}$  alkenyl,  $C_{2-8}$  alkynyl,  $C_{1-6}$  haloalkyl, a  $(CH_2)_r$ - $C_{3-10}$  carbocyclic residue substituted with 0-3  $R^{8c}$ , and a  $(CH_2)_r$ -5-10 membered heterocyclic system containing 1-4 heteroatoms selected from N, O, and S, substituted with 0-2  $R^{8c}$ ;

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 $R^{8a}$ , at each occurrence, are selected from H,  $C_{1-6}$  alkyl,  $C_{2-8}$  alkenyl,  $C_{2-8}$  alkynyl, a  $(CH_2)_r-C_{3-10}$  carbocyclic residue substituted with 0-5  $R^{8e}$ , and a  $(CH_2)_r-5-10$  membered heterocyclic system containing 1-4 heteroatoms selected from N, O, and S, substituted with 0-3  $R^{8e}$ ;

 $R^{8b}$ , at each occurrence, is selected from  $C_{1-6}$  alkyl,  $C_{3-8}$  alkenyl,  $C_{3-8}$  alkynyl, a  $(CH_2)_r$ - $C_{3-6}$  carbocyclic residue substituted with 0-2  $R^{8e}$ , and a  $(CH_2)_r$ -5-6 membered heterocyclic system containing 1-4 heteroatoms selected from N, O, and S, substituted with 0-3  $R^{8e}$ ;

- R8c, at each occurrence, is selected from  $C_{1-6}$  alkyl,  $C_{2-8}$  alkenyl,  $C_{2-8}$  alkynyl,  $(CH_2)_rC_{3-6}$  cycloalkyl,  $C_{1}$ ,  $C_{1}$ ,
- R<sup>8e</sup>, at each occurrence, is selected from  $C_{1-6}$  alkyl,  $C_{2-8}$  alkenyl,  $C_{2-8}$  alkynyl,  $C_{3-6}$  cycloalkyl, Cl, F, Br, I, CN, NO<sub>2</sub>,  $(CF_2)_rCF_3$ ,  $(CH_2)_rOC_{1-5}$  alkyl,  $(CH_2)_rOH$ ,  $(CH_2)_rSH$ ,  $(CH_2)_rSC_{1-5}$  alkyl,  $(CH_2)_rNR^{8f}R^{8f}$ , and  $(CH_2)_r$ phenyl;
- $R^{8f}$ , at each occurrence, is selected from H,  $C_{1-6}$  alkyl, and  $C_{3-6}$  cycloalkyl;
- $R^9 \text{ is selected from H, CH}_3, C_{2-6} \text{ alkyl substituted with 0-3 } R^{9a}, C_{3-8} \text{ alkenyl, } C_{3-8} \text{ alkynyl, } C_{1-6} \text{ haloalkyl, } \\ (CHR')_rC(0)C_{1-6} \text{ alkyl substituted with 0-3 } R^{9j}, \\ (CHR')_rC(0)OC_{1-6} \text{ alkyl substituted with 0-3 } R^{9b}, \\ (CHR')_rC(0)NR^{9d}R^{9d'}, (CHR')_rS(0)_2C_{1-6} \text{ alkyl, } S(0)_2C_{1-6} \\ haloalkyl, (CHR')_rS(0)_2NR^{9d}R^{9d}, R^{9'}, (CHR')_rC(0)R^{9'}, \\ (CHR')_rC(0)NR^{9d}R^{9'}, (CHR')_rS(0)_2R^{9'}, \text{ and } \\ (CHR')_rS(0)_2NR^{9d}R^{9'}; \\ \end{aligned}$

- $R^{9'}$ , at each occurrence, is independently selected from  $(CHR')_rC_{3-6}$  cycloalkyl substituted with 0-3  $R^{9e}$ ,  $(CHR')_r$ phenyl substituted with 0-3  $R^{9c}$ ,  $(CHR')_r-5-10$  membered heterocyclic system containing 1-4 heteroatoms selected from N, O, and S, substituted with 0-3  $R^{9c}$ ,
- $R^{9a}$ , at each occurrence, is selected from CN,  $NO_2$ ,  $OC_{1-5}$  alkyl,  $CF_3$ , OH,  $OC_{1-5}$  alkyl,  $OC(0)C_{1-5}$  alkyl,  $SC_{1-5}$  alkyl,  $S(0)_pC_{1-5}$  alkyl, and  $NR^{9d}R^{9d}$ ;

- $R^{9b}$ , at each occurrence, is selected from  $C_{3-6}$  cycloalkyl, CN,  $(CF_2)_rCF_3$ ,  $(CH_2)_qOC_{1-5}$  alkyl,  $(CH_2)_qOH$ ,  $(CH_2)_qSC_{1-5}$  alkyl,  $(CH_2)_rS(O)_pC_{1-5}$  alkyl, and  $(CH_2)_qNR^{9d}R^{9d}$ ;
- provided that if  $R^{9c}$  is attached to a carbon attached to the nitrogen on Ring B, then  $R^{9c}$  is selected from  $(CH_2)_qOH$ ,  $(CH_2)_qOC_{1-5}$  alkyl,  $(CH_2)_qSC_{1-5}$  alkyl,  $(CH_2)_qS(O)_qC_{1-5}$  alkyl, and  $(CH_2)_qNR^{9d}R^{9d}$ ;
- $R^{9d}$  and  $R^{9d'}$ , at each occurrence, are independently selected from H,  $C_{1-6}$  alkyl,  $C_{3-6}$  cycloalkyl, and phenyl;
- alternatively, R<sup>9d</sup> and R<sup>9d'</sup>, along with the N to which they are attached, join to form a 5-6 membered 35 heterocyclic system containing 1-2 heteroatoms selected

from NR<sup>9h</sup>, O, and S and optionally fused with a benzene ring or a 6-membered aromatic heterocycle; R<sup>9e</sup>, at each occurrence, is selected from  $C_{1-6}$  alkyl,  $C_{3-6}$  cycloalkyl, Cl, F, Br, I, CN, NO<sub>2</sub>,  $(CF_2)_rCF_3$ ,  $(CH_2)_rOC_{1-5}$  alkyl,  $(CHR')_rC(0)OC_{1-5}$  alkyl,  $(CHR')_rC(0)NR^{9d}R^{9d'}$ ,  $(CH_2)_rOH$ ,  $(CH_2)_rSC_{1-5}$  alkyl,  $(CH_2)_rS(0)_pC_{1-5}$  alkyl, and  $(CH_2)_rNR^{9d}R^{9d'}$ , or alternatively, two  $R^{9e}$  on the same carbon atom form =0;

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- $R^{9h}$  is selected from H,  $C_{1-6}$  alkyl,  $C_{3-6}$  cycloalkyl,  $(CH_2)_r$ phenyl,  $C(O)R^{9f}$ ,  $C(O)OR^{9i}$ , and  $SO_2R^{9i}$ ;
- $R^{9i}$ , at each occurrence, is selected from  $C_{1-6}$  alkyl,  $C_{3-6}$  cycloalkyl;
  - $R^{9j}$ , at each occurrence, is selected from  $C_{3-6}$  cycloalkyl, CN,  $(CF_2)_rCF_3$ ,  $(CH_2)_rOC_{1-5}$  alkyl,  $(CH_2)_rOH$ ,  $(CH_2)_rSC_{1-5}$  alkyl,  $(CH_2)_rS(O)_pC_{1-5}$  alkyl, and  $(CH_2)_rNR^{9d}R^{9d}$ ;

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- R<sup>10</sup> is selected from C(O)H, C(O)OH, C(O)R<sup>10b</sup>,  $C(O)NR^{10a}R^{10a'}, C(O)OR^{10d}, C(=NR^{10f})NR^{10a}R^{10a'}, \\ S(O)R^{10b}, S(O)_2R^{10b}, S(O)_2NR^{10a}R^{10a'};$
- 25  $R^{10a}$  and  $R^{10a'}$ , at each occurrence, are selected from H,  $C_{1-6}$  alkyl,  $C_{3-8}$  alkenyl,  $C_{3-8}$  alkynyl, a  $(CH_2)_r-C_{3-10}$  carbocyclic residue substituted with 0-5  $R^{10e}$ , and a  $(CH_2)_r-5-10$  membered heterocyclic system containing 1-4 heteroatoms selected from N, O, and S, substituted with 0-2  $R^{10e}$ ;
  - alternatively, R<sup>10a</sup> and R<sup>10a'</sup>, along with the N to which they are attached, join to form a 5-6 membered heterocyclic system containing 1-2 heteroatoms selected from NR<sup>10h</sup>, O, and S and optionally fused

with a benzene ring or a 6-membered aromatic heterocycle;

 $R^{10b}$ , at each occurrence, is selected from  $C_{1-6}$  alkyl,  $C_{3-8}$  alkenyl,  $C_{3-8}$  alkynyl, a  $(CH_2)_r$ - $C_{3-6}$  carbocyclic residue substituted with 0-3  $R^{10e}$ , and  $(CH_2)_r$ -5-6 membered heterocyclic system containing 1-4 heteroatoms selected from N, O, and S, substituted with 0-2  $R^{10e}$ ;

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- $R^{10d}$ , at each occurrence, is selected from  $C_{3-8}$  alkenyl,  $C_{3-8}$  alkynyl, methyl,  $CF_3$ ,  $C_{2-6}$  alkyl substituted with 0-3  $R^{10e}$ , a  $(CH_2)_r$ - $C_{3-10}$  carbocyclic residue substituted with 0-3  $R^{10e}$ , and a  $(CH_2)_r$ 5-6 membered heterocyclic system containing 1-4 heteroatoms selected from N, O, and S, substituted with 0-3  $R^{10e}$ ;
- R<sup>10e</sup>, at each occurrence, is selected from  $C_{1-6}$  alkyl,  $C_{2-8}$  alkenyl,  $C_{2-8}$  alkynyl,  $(CH_2)_rC_{3-6}$  cycloalkyl,  $C(0)C_{1-6}$  20 alkyl,  $C(0)OC_{1-6}$  alkyl, C1, C1
  - $R^{10f}$ , at each occurrence, is selected from H,  $C_{1-6}$  alkyl,  $C_{3-6}$  cycloalkyl, and phenyl;

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- ${\bf R}^{10g}$  is selected from methyl, ethyl, acetyl, and  ${\bf CF_3}$ ;
- $R^{10h}$  is selected from H,  $C_{1-6}$  alkyl,  $C_{3-6}$  cycloalkyl,  $(CH_2)_r$ phenyl,  $C(O)R^{10f}$ ,  $C(O)OR^{10i}$ , and  $SO_2R^{10i}$ ;

- $R^{10i}$ , at each occurrence, is selected from  $C_{1-6}$  alkyl,  $C_{3-6}$  cycloalkyl;
- R<sup>13</sup>, at each occurrence, is selected from  $C_{1-6}$  alkyl,  $C_{2-8}$  alkenyl,  $C_{2-8}$  alkynyl,  $C_{3-6}$  cycloalkyl,  $(CF_2)_wCF_3$ ,  $(CH_2)_qNR^{13a}R^{13a}', (CH_2)_qOH, (CH_2)_qOR^{13b}, (CH_2)_qSH, \\ (CH_2)_qSR^{13b}, (CH_2)_wC(O)OH, (CH_2)_wC(O)R^{13b}, \\ (CH_2)_wC(O)NR^{13a}R^{13a}', (CH_2)_qNR^{13d}C(O)R^{13a}, \\ (CH_2)_wC(O)OR^{13b}, (CH_2)_qOC(O)R^{13b}, (CH_2)_wS(O)_pR^{13b}, \\ (CH_2)_wS(O)_2NR^{13a}R^{13a}', (CH_2)_qNR^{13d}S(O)_2R^{13b}, and (CH_2)_w-phenyl substituted with 0-3 <math>R^{13c}$ ;
- $R^{13a}$  and  $R^{13a'}$ , at each occurrence, are selected from H,  $C_{1-6}$  alkyl,  $C_{3-6}$  cycloalkyl, and phenyl substituted with 0-3  $R^{13c}$ ;
  - $R^{13b}$ , at each occurrence, is selected from  $C_{1-6}$  alkyl,  $C_{3-6}$  cycloalkyl, and phenyl substituted with 0-3  $R^{13c}$ ;
- 20  $R^{13c}$ , at each occurrence, is selected from  $C_{1-6}$  alkyl,  $C_{3-6}$  cycloalkyl, Cl, F, Br, I, CN,  $NO_2$ ,  $(CF_2)_rCF_3$ ,  $(CH_2)_rOC_{1-5}$  alkyl,  $(CH_2)_rOH$ ,  $(CH_2)_rSC_{1-5}$  alkyl, and  $(CH_2)_rNR^{13d}R^{13d}$ ;
- 25  $R^{13d}$ , at each occurrence, is selected from H,  $C_{1-6}$  alkyl, and  $C_{3-6}$  cycloalkyl;

 $(\text{CHR'})_r \text{C(0)O(CHR')}_r \text{R}^{15\text{d}}, \ (\text{CHR'})_r \text{OC(0)} \ (\text{CHR'})_r \text{R}^{15\text{b}}, \\ (\text{CHR'})_r \text{C(=NR}^{15\text{f}}) \text{NR}^{15\text{a}} \text{R}^{15\text{a}'}, \ (\text{CHR'})_r \text{NHC(=NR}^{15\text{f}}) \text{NR}^{15\text{f}} \text{R}^{15\text{f}}, \\ (\text{CHR'})_r \text{S(0)}_p (\text{CHR'})_r \text{R}^{15\text{b}}, \ (\text{CHR'})_r \text{S(0)}_2 \text{NR}^{15\text{a}} \text{R}^{15\text{a}'}, \\ (\text{CHR'})_r \text{NR}^{15\text{f}} \text{S(0)}_2 (\text{CHR'})_r \text{R}^{15\text{b}}, \ \text{C}_{1-6} \ \text{haloalkyl}, \ \text{C}_{2-8} \\ \text{alkenyl substituted with 0-3 R', } \text{C}_{2-8} \ \text{alkynyl} \\ \text{substituted with 0-3 R', } (\text{CHR'})_r \text{phenyl substituted} \\ \text{with 0-3 R}^{15\text{e}}, \ \text{and a } (\text{CH}_2)_r \text{-5-10 membered} \\ \text{heterocyclic system containing 1-4 heteroatoms} \\ \text{selected from N, O, and S, substituted with 0-2 R}^{15\text{e}}; \\ \end{aligned}$ 

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- R', at each occurrence, is independently selected from H,  $C_{1-6}$  alkyl,  $C_{3-8}$  alkenyl,  $C_{3-8}$  alkynyl,  $(CH_2)_rC_{3-6}$  cycloalkyl, and  $(CH_2)_r$ phenyl substituted with  $R^{15e}$ ;
- 15  $R^{15a}$  and  $R^{15a'}$ , at each occurrence, are selected from H,  $C_{1-6}$  alkyl,  $C_{3-8}$  alkenyl,  $C_{3-8}$  alkynyl, a  $(CH_2)_r-C_{3-10}$  carbocyclic residue substituted with 0-5  $R^{15e}$ , and a  $(CH_2)_r-5-10$  membered heterocyclic system containing 1-4 heteroatoms selected from N, O, and S, substituted with 0-2  $R^{15e}$ ;
  - alternatively, R<sup>15a</sup> and R<sup>15a'</sup>, along with the N to which they are attached, join to form a 5-6 membered heterocyclic system containing 1-2 heteroatoms selected from NR<sup>15h</sup>, O, and S and optionally fused with a benzene ring or a 6-membered aromatic heterocycle;
- $R^{15b}$ , at each occurrence, is selected from  $C_{1-6}$  alkyl,  $C_{3-8}$  alkenyl,  $C_{3-8}$  alkynyl, a  $(CH_2)_r$ - $C_{3-6}$  carbocyclic residue substituted with 0-3  $R^{15e}$ , and  $(CH_2)_r$ -5-6 membered heterocyclic system containing 1-4 heteroatoms selected from N, O, and S, substituted with 0-2  $R^{15e}$ ;

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 $R^{15d}$ , at each occurrence, is selected from  $C_{3-8}$  alkenyl,  $C_{3-8}$  alkynyl, methyl,  $CF_3$ ,  $C_{2-6}$  alkyl substituted with 0-3  $R^{15e}$ , a  $(CH_2)_r$ - $C_{3-10}$  carbocyclic residue substituted with 0-3  $R^{15e}$ , and a  $(CH_2)_r$ 5-6 membered heterocyclic system containing 1-4 heteroatoms selected from N, O, and S, substituted with 0-3  $R^{15e}$ ;

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- R<sup>15e</sup>, at each occurrence, is selected from  $C_{1-6}$  alkyl,  $C_{2-8}$  alkenyl,  $C_{2-8}$  alkynyl,  $(CH_2)_rC_{3-6}$  cycloalkyl,  $C(0)C_{1-6}$  10 alkyl,  $C(0)OC_{1-6}$  alkyl,
  - $R^{15f}$ , at each occurrence, is selected from H,  $C_{1-6}$  alkyl,  $C_{3-6}$  cycloalkyl, and phenyl;
- $R^{15g}$  is selected from methyl, ethyl, acetyl, and  $CF_3$ ;
  - $R^{15h}$  is selected from H,  $C_{1-6}$  alkyl,  $C_{3-6}$  cycloalkyl,  $(CH_2)_r$ phenyl,  $C(0)R^{15f}$ ,  $C(0)OR^{15i}$ , and  $SO_2R^{15i}$ ;
- $R^{15i}$ , at each occurrence, is selected from  $C_{1-6}$  alkyl,  $C_{3-6}$  cycloalkyl;
- R<sup>16</sup>, at each occurrence, is selected from  $C_{1-8}$  alkyl,  $C_{2-8}$  alkenyl,  $C_{2-8}$  alkynyl,  $(CH_2)_rC_{3-6}$  cycloalkyl, Cl, Br, I, F,  $NO_2$ , CN,  $(CHR')_rNR^{16a}R^{16a'}$ ,  $(CHR')_rOH$ ,  $(CHR')_rO(CHR')_rR^{16d}$ ,  $(CHR')_rSH$ ,  $(CHR')_rC(O)H$ ,  $(CHR')_rC(O)OH$ ,  $(CHR')_rC(O)(CHR')_rR^{16b}$ ,  $(CHR')_rC(O)NR^{16a}R^{16a'}$ ,  $(CHR')_rNR^{16f}C(O)(CHR')_rR^{16b}$ ,  $(CHR')_rC(O)O(CHR')_rR^{16d}$ ,  $(CHR')_rOC(O)(CHR')_rR^{16b}$ ,

 $(\text{CHR'})_r \text{C} (=\text{NR}^{16f}) \text{NR}^{16a} \text{R}^{16a'}, \quad (\text{CHR'})_r \text{NHC} (=\text{NR}^{16f}) \text{NR}^{16f} \text{R}^{16f},$   $(\text{CHR'})_r \text{S} (0)_p (\text{CHR'})_r \text{R}^{16b}, \quad (\text{CHR'})_r \text{S} (0)_2 \text{NR}^{16a} \text{R}^{16a'},$   $(\text{CHR'})_r \text{NR}^{16f} \text{S} (0)_2 (\text{CHR'})_r \text{R}^{16b}, \quad \text{C}_{1-6} \text{ haloalkyl}, \quad \text{C}_{2-8}$  alkenyl substituted with 0-3 R', C<sub>2-8</sub> alkynyl substituted with 0-3 R', and (CHR')\_r phenyl substituted with 0-3 R<sup>16e</sup>;

- $R^{16a}$  and  $R^{16a'}$ , at each occurrence, are selected from H,  $C_{1-6}$  alkyl,  $C_{3-8}$  alkenyl,  $C_{3-8}$  alkynyl, a  $(CH_2)_r-C_{3-10}$  carbocyclic residue substituted with 0-5  $R^{16e}$ , and a  $(CH_2)_r-5-10$  membered heterocyclic system containing 1-4 heteroatoms selected from N, O, and S, substituted with 0-2  $R^{16e}$ ;
- 15 alternatively, R<sup>16a</sup> and R<sup>16a'</sup>, along with the N to which they are attached, join to form a 5-6 membered heterocyclic system containing 1-2 heteroatoms selected from NR<sup>16h</sup>, O, and S and optionally fused with a benzene ring or a 6-membered aromatic heterocycle;
- $R^{16b}$ , at each occurrence, is selected from  $C_{1-6}$  alkyl,  $C_{3-8}$  alkenyl,  $C_{3-8}$  alkynyl, a  $(CH_2)_rC_{3-6}$  carbocyclic residue substituted with 0-3  $R^{16e}$ , and a  $(CH_2)_r$ -5-6 membered heterocyclic system containing 1-4 heteroatoms selected from N, O, and S, substituted with 0-2  $R^{16e}$ ;
- $R^{16d}$ , at each occurrence, is selected from  $C_{3-8}$  alkenyl,  $C_{3-8}$  alkynyl,  $C_{1-6}$  alkyl substituted with 0-3  $R^{16e}$ , a  $(CH_2)_r$ - $C_{3-10}$  carbocyclic residue substituted with 0-3  $R^{16e}$ , and a  $(CH_2)_r$ -5-6 membered heterocyclic system containing 1-4 heteroatoms selected from N, O, and S, substituted with 0-3  $R^{16e}$ ;

- $R^{16e}$ , at each occurrence, is selected from  $C_{1-6}$  alkyl,  $C_{2-8}$  alkenyl,  $C_{2-8}$  alkynyl,  $(CH_2)_rC_{3-6}$  cycloalkyl, Cl, F, Br, I, CN,  $NO_2$ ,  $(CF_2)_rCF_3$ ,  $(CH_2)_rOC_{1-5}$  alkyl, OH, SH,  $(CH_2)_rSC_{1-5}$  alkyl,  $(CH_2)_rNR^{16f}R^{16f}$ , and  $(CH_2)_rphenyl$ ;
- $R^{16f}$ , at each occurrence, is selected from H,  $C_{1-5}$  alkyl, and  $C_{3-6}$  cycloalkyl, and phenyl;
- $R^{16h}$  is selected from H,  $C_{1-6}$  alkyl,  $C_{3-6}$  cycloalkyl, (CH<sub>2</sub>)<sub>r</sub>phenyl, C(O)R<sup>16f</sup>, C(O)OR<sup>16i</sup>, and SO<sub>2</sub>R<sup>16i</sup>;

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- $R^{16i}$ , at each occurrence, is selected from  $C_{1-6}$  alkyl,  $C_{3-6}$  cycloalkyl;
- - t, at each occurrence, is independently selected from 1
     and 2;
- w, at each occurrence, is independently selected from 0
   and 1;
- r, at each occurrence, is independently selected from 0, 1, 2, 3, 4, and 5;
- - [2] In another embodiment, the present invention provides novel compounds of formula (I), wherein:
  - ${
    m R}^4$  is absent, taken with the nitrogen to which it is attached to form an N-oxide, or selected from  ${
    m C}_{1-8}$

- alkyl,  $(CH_2)_rC_{3-6}$  cycloalkyl, and  $(CH_2)_r$ -phenyl substituted with 0-3  $R^{4c}$ ;
- $R^{4c}$ , at each occurrence, is selected from  $C_{1-6}$  alkyl,  $C_{2-8}$  alkenyl,  $C_{2-8}$  alkynyl,  $C_{3-6}$  cycloalkyl, Cl, F, Br, I, CN,  $NO_2$ ,  $(CF_2)_rCF_3$ ,  $(CH_2)_rOC_{1-5}$  alkyl,  $(CH_2)_rOH$ ,  $(CH_2)_rSC_{1-5}$  alkyl,  $(CH_2)_rNR^{4a}R^{4a'}$ , and  $(CH_2)_rPhenyl$ ;
- $R^1$  and  $R^2$  are independently selected from H and  $C_{1-4}$ 10 alkyl;
- R<sup>6</sup>, at each occurrence, is selected from  $C_{1-4}$  alkyl,  $C_{2-8}$  alkenyl,  $C_{2-8}$  alkynyl,  $(CH_2)_rC_{3-6}$  cycloalkyl,  $(CF_2)_rCF_3$ , CN,  $(CH_2)_rOH$ ,  $(CH_2)_rOR^{6b}$ ,  $(CH_2)_rC(O)R^{6b}$ ,  $(CH_2)_rC(O)R^{6a}R^{6a'}$ ,  $(CH_2)_rNR^{6d}C(O)R^{6a}$ , and  $(CH_2)_t$ phenyl substituted with 0-3  $R^{6c}$ ;
- $R^{6a}$  and  $R^{6a'}$ , at each occurrence, are selected from H,  $C_{1-6}$  alkyl,  $C_{3-6}$  cycloalkyl, and phenyl substituted with 0-3  $R^{6c}$ ;
  - $R^{6b}$ , at each occurrence, is selected from  $C_{1-6}$  alkyl,  $C_{3-6}$  cycloalkyl, and phenyl substituted with 0-3  $R^{6c}$ ;
- 25  $R^{6c}$ , at each occurrence, is selected from  $C_{1-6}$  alkyl,  $C_{3-6}$  cycloalkyl, Cl, F, Br, I, CN,  $NO_2$ ,  $(CF_2)_rCF_3$ ,  $(CH_2)_rOC_{1-5}$  alkyl,  $(CH_2)_rOH$ ,  $(CH_2)_rSC_{1-5}$  alkyl, and  $(CH_2)_rNR^{6d}R^{6d}$ ;
- 30  $R^{6d}$ , at each occurrence, is selected from H,  $C_{1-6}$  alkyl, and  $C_{3-6}$  cycloalkyl;
- R<sup>13</sup>, at each occurrence, is selected from  $C_{1-4}$  alkyl,  $C_{3-6}$  cycloalkyl,  $(CH_2)NR^{13a}R^{13a}$ ,  $(CH_2)OH$ ,  $(CH_2)OR^{13b}$ ,  $(CH_2)_wC(O)R^{13b}$ ,  $(CH_2)_wC(O)NR^{13a}R^{13a}$ ,

(CH<sub>2</sub>)NR<sup>13d</sup>C(O)R<sup>13a</sup>, (CH<sub>2</sub>)<sub>w</sub>S(O)<sub>2</sub>NR<sup>13a</sup>R<sup>13a</sup>, (CH<sub>2</sub>)NR<sup>13d</sup>S(O)<sub>2</sub>R<sup>13b</sup>, and (CH<sub>2</sub>)<sub>w</sub>-phenyl substituted with 0-3 R<sup>13c</sup>;

- 5  $R^{13a}$  and  $R^{13a}$ , at each occurrence, are selected from H,  $C_{1-6}$  alkyl,  $C_{3-6}$  cycloalkyl, and phenyl substituted with 0-3  $R^{13c}$ ;
- $R^{13b}$ , at each occurrence, is selected from  $C_{1-6}$  alkyl,  $C_{3-6}$  cycloalkyl, and phenyl substituted with 0-3  $R^{13c}$ ;
  - $R^{13c}$ , at each occurrence, is selected from  $C_{1-6}$  alkyl,  $C_{3-6}$  cycloalkyl, Cl, F, Br, I, CN,  $NO_2$ ,  $(CF_2)_rCF_3$ ,  $(CH_2)_rOC_{1-5}$  alkyl,  $(CH_2)_rOH$ , and  $(CH_2)_rNR^{13d}R^{13d}$ ;
- $R^{13d}$ , at each occurrence, is selected from H,  $C_{1-6}$  alkyl, and  $C_{3-6}$  cycloalkyl;
- q is selected from 1, 2, and 3; and 20 r is selected from 0, 1, 2, and 3.

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- [3] In another embodiment, the present invention provides novel compounds of formula (I), wherein:
- R<sup>3</sup> is selected from a methyl substituted with 0-1 R<sup>10</sup>,

  C<sub>2-8</sub> alkyl substituted with 0-3 R<sup>7</sup>, a (CR<sup>3</sup>'H)<sub>r</sub>
  carbocyclic residue substituted with 0-5 R<sup>15</sup>, wherein

  the carbocyclic residue is selected from phenyl, C<sub>3-6</sub>

  cycloalkyl, naphthyl, and adamantyl; and a (CR<sup>3</sup>'H)<sub>r</sub>
  heterocyclic system substituted with 0-3 R<sup>15</sup>, wherein

  the heterocyclic system is selected from pyridinyl,

  thiophenyl, furanyl, indazolyl, benzothiazolyl,

  benzimidazolyl, benzothiophenyl, benzofuranyl,

  benzoxazolyl, benzisoxazolyl, quinolinyl,

  isoquinolinyl, imidazolyl, indazolyl, isoxazolinyl,

morpholinyl, pyrrolidinyl, tetrahydropyranyl, tetrahydrofuranyl, indolyl, indolinyl, isoindolyl, isothiadiazolyl, isoxazolyl, piperidinyl, pyrrazolyl, 1,2,4-triazolyl, 1,2,3-triazolyl, tetrazolyl, thiadiazolyl, thiazolyl, oxazolyl, pyrazinyl, and pyrimidinyl; and

R<sup>5</sup> is selected from (CR<sup>5</sup>'H)<sub>t</sub>-phenyl substituted with 0-5
R<sup>16</sup>; and a (CR<sup>5</sup>'H)<sub>t</sub>-heterocyclic system substituted

with 0-3 R<sup>16</sup>, wherein the heterocyclic system is selected from pyridinyl, thiophenyl, furanyl, indazolyl, benzothiazolyl, benzimidazolyl, benzothiophenyl, benzofuranyl, benzoxazolyl, benzisoxazolyl, quinolinyl, isoquinolinyl, imidazolyl, indolyl, indolinyl, isoindolyl, isothiadiazolyl, isoxazolyl, piperidinyl, pyrrazolyl, 1,2,4-triazolyl, 1,2,3-triazolyl, tetrazolyl, thiadiazolyl, thiazolyl, oxazolyl, pyrazinyl, and pyrimidinyl.

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- [4] In another embodiment, the present invention provides novel compounds of formula (I), wherein:
- Ring B is a 5 or 6 membered heterocycle ring wherein the heterocycle ring includes  $-NR^9-$ , -O-,  $-S(O)_p-$ ,  $-NR^{9d}C(O)-$ ,  $-C(O)NR^{9d}-$ , -C(O)O-, -OC(O)-,  $-NR^{9d}C(O)NR^{9d}$ ,  $-NR^{9d}C(O)O-$ ,  $-OC(O)NR^{9d}-$ ,  $-NR^{9d}S(O)_2-$ , or  $-S(O)_2NR^{9d}$ , the heterocycle ring being optionally substituted by 0-2  $R^8$ ;

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 $R^9$  is selected from H,  $CH_3$ ,  $C_{2-6}$  alkyl substituted with 0-3  $R^{9a}$ ,  $C_{3-8}$  alkenyl,  $C_{3-8}$  alkynyl,  $C_{1-3}$  haloalkyl,  $(CH_2)_rC(0)C_{1-6}$  alkyl substituted with 0-2  $R^{9j}$ ,  $(CH_2)_rC(0)OC_{1-6}$  alkyl substituted with 0-3  $R^{9b}$ ,  $(CH_2)_rC(0)NR^{9d}R^{9d}$ ,  $(CH_2)_rS(0)_2C_{1-6}$  alkyl,  $S(0)_2C_{1-6}$ 

trifluoromethyl,  $(CH_2)_rC(O)R^{9'}$ ,  $(CH_2)_rC(O)NR^{9d}R^{9'}$ ,  $(CH_2)_rS(O)_2R^{9'}$ ,  $R^{9'}$ , and  $(CH_2)_rS(O)_2NR^{9d}R^{9'}$ ;

- $R^{9'}$ , at each occurrence, is independently selected from 5 (CHR')<sub>r</sub>C<sub>3-6</sub> cycloalkyl substituted with 0-3 R<sup>9e</sup>, wherein the cycloalkyl is selected from cyclopropyl, cyclobutyl, cyclopentyl, and cyclohexyl,  $(CHR')_r$ phenyl substituted with 0-3  $R^{9c}$ ,  $(CHR')_r$ 5-6 membered heterocycle system containing 1-4 10 heteroatoms selected from N, O, and S, substituted with 0-3 R<sup>9c</sup>, wherein the heterocycle is selected from oxadiazolyl, morpholinyl, piperidinyl, tetrahydropyranyl, tetrahydrothiopyranyl, tetrahydrothiopyranyl dioxide, thiophene, 15 imidazolyl, pyrrolidinyl, pyrrolyl, thiazolyl, and furanyl, and (CHR') rphenyl substituted with 0-3 R9c;
- $R^{9a}$ , at each occurrence, is selected from CN, O-methyl, O-ethyl, CF<sub>3</sub>, OH, OC(O)-methyl, S-methyl, S-ethyl, S-propyl,  $S(O)_p$ -methyl,  $S(O)_p$ -ethyl,  $S(O)_p$ -propyl, and  $NR^{9d}R^{9d'}$ ;
- R<sup>9b</sup>, at each occurrence, is selected from cyclopropyl, cyclbutyl, cyclpentyl, CN, CF<sub>3</sub>, CH<sub>2-</sub>OC<sub>1-5</sub> alkyl, CH<sub>2-</sub>OH, CH<sub>2-</sub>SC<sub>1-5</sub> alkyl, and CH<sub>2</sub>-NR<sup>9d</sup>R<sup>9d'</sup>;

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provided that if  $R^{9c}$  is attached to a carbon attached to the nitrogen on Ring B, then  $R^{9c}$  is selected from

 $(CH_2)_qOH$ ,  $(CH_2)_qOC_{1-5}$  alkyl,  $(CH_2)_qSC_{1-5}$  alkyl,  $(CH_2)_qS(O)_qC_{1-5}$  alkyl, and  $(CH_2)_qNR^{9d}R^{9d'}$ ;

R<sup>9d</sup> and R<sup>9d'</sup>, at each occurrence, are independently

selected from H, methyl, ethyl, propyl, i-propyl,
butyl, cyclopropyl, cyclobutyl, cyclopentyl,
cyclohexyl and phenyl;

- R<sup>9e</sup>, at each occurrence, is selected from  $C_{1-6}$  alkyl,  $C_{3-6}$  cycloalkyl,  $C_{1}$ , F, Br, I, CN,  $NO_{2}$ ,  $(CF_{2})_{r}CF_{3}$ ,  $(CH_{2})_{r}OC_{1-5}$  alkyl,  $(CH_{2})_{r}C(0)OC_{1-5}$  alkyl,  $(CH_{2})_{r}C(0)NR^{9d}R^{9d}$ ,  $(CH_{2})_{r}OH$ ,  $(CH_{2})_{r}SC_{1-5}$  alkyl,  $(CH_{2})_{r}S(0)_{p}C_{1-5}$  alkyl, and  $(CH_{2})_{r}NR^{9d}R^{9d}$ , or alternatively, two  $R^{9e}$  on the same carbon atom form =0; and
  - $R^{9j}$ , at each occurrence, is selected from cyclpropyl, cyclobutyl, cyclopentyl, CN, CF<sub>3</sub>, O-methyl, O-ethyl, O-propyl, O-i-propyl, O-butyl, OH, S-methyl, S-ethyl, and  $NR^{9d}R^{9d}$ .
  - [5] In another embodiment, the present invention provides novel compounds of formula (I-i), wherein:

Z is selected from O, S, NCN, and NCONH2;

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 $(CH_2)_rS(O)_2NR^{16a}R^{16a}$ ,  $(CH_2)_rNR^{16f}S(O)_2R^{16b}$ , and  $(CH_2)_r$ phenyl substituted with 0-3  $R^{16e}$ ;

 $R^{16a}$  and  $R^{16a'}$ , at each occurrence, are selected from H,  $C_{1-6}$  alkyl,  $C_{3-6}$  cycloalkyl, and  $(CH_2)_r$ phenyl substituted with 0-3  $R^{16e}$ ;

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 $R^{16b}$ , at each occurrence, is selected from H,  $C_{1-6}$  alkyl,  $C_{3-6}$  cycloalkyl, and  $(CH_2)_r$ phenyl substituted with 0-3  $R^{16e}$ ;

 $R^{16d}$ , at each occurrence, is selected from  $C_{1-6}$  alkyl and phenyl;

15  $R^{16e}$ , at each occurrence, is selected from  $C_{1-6}$  alkyl, Cl, F, Br, I, CN,  $NO_2$ ,  $(CF_2)_rCF_3$ , OH, and  $(CH_2)_rOC_{1-5}$  alkyl; and

 $R^{16f}$ , at each occurrence, is selected from H, and  $C_{1-5}$  alkyl.

[6] In another embodiment, the present invention provides novel compounds of formula (I-ii), wherein:

Z is selected from O, S, NCN, and NCONH2;

R<sup>16</sup>, at each occurrence, is selected from  $C_{1-8}$  alkyl,  $(CH_2)_rC_{3-6}$  cycloalkyl,  $CF_3$ , Cl, Br, I, F,  $(CH_2)_rNR^{16a}R^{16a}$ ,  $NO_2$ , CN, OH,  $(CH_2)_rOR^{16d}$ ,  $(CH_2)_rC(O)R^{16b}$ ,  $(CH_2)_rC(O)NR^{16a}R^{16a}$ ,  $(CH_2)_rNR^{16f}C(O)R^{16b}$ ,  $(CH_2)_rS(O)_rR^{16b}$ ,

- $(CH_2)_rS(0)_2NR^{16a}R^{16a}$ ,  $(CH_2)_rNR^{16f}S(0)_2R^{16b}$ , and  $(CH_2)_r$ phenyl substituted with 0-3  $R^{16e}$ ;
- R<sup>16a</sup> and R<sup>16a'</sup>, at each occurrence, are selected from H,

  C<sub>1-6</sub> alkyl, C<sub>3-6</sub> cycloalkyl, and (CH<sub>2</sub>)<sub>r</sub>phenyl

  substituted with 0-3 R<sup>16e</sup>;

10

- $R^{16b}$ , at each occurrence, is selected from H,  $C_{1-6}$  alkyl,  $C_{3-6}$  cycloalkyl, and  $(CH_2)_r$ phenyl substituted with 0-3  $R^{16e}$ ;
  - $R^{16d}$ , at each occurrence, is selected from  $C_{1-6}$  alkyl and phenyl;
- 15  $R^{16e}$ , at each occurrence, is selected from  $C_{1-6}$  alkyl, Cl, F, Br, I, CN,  $NO_2$ ,  $(CF_2)_rCF_3$ , OH, and  $(CH_2)_rOC_{1-5}$  alkyl; and
- $R^{16f}$ , at each occurrence, is selected from H, and  $C_{1-5}$  alkyl.
  - [7] In another embodiment, the present invention provides novel compounds of formula (I-i), wherein:
- 25 Ring B is a 5 or 6 membered saturated heterocycle ring, wherein the heterocycle ring is selected from piperidine, tetrahydropyran, tetrahydrothiopyran, tetrahydrothiopyran 1,1-dioxide, tetrahydrothiopyran 1-monooxide, piperidin-2-one, tetrahydropyran-2-one, [1,2]thiazinane 1,1-dioxide, pyrrolidine, tetrahydrofuran, tetrahydrothiophene, pyrrolidin-2-one, dihydrofuran-2-one, and isothiazolidine 1,1-dioxide, the heterocycle ring being optionally substituted by 0-2 R<sup>8</sup>;
  - $R^5$  is  $CH_2$ phenyl substituted with 0-3  $R^{16}$ ;

r is selected from 0, 1, and 2.

[8] In another embodiment, the present invention provides novel compounds of formula (I-ii), wherein:

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Ring B is a 5 or 6 membered saturated heterocycle ring, wherein the heterocycle ring is selected from piperidine, tetrahydropyran, tetrahydrothiopyran, tetrahydrothiopyran 1,1-dioxide, tetrahydrothiopyran 1-monooxide, piperidin-2-one, tetrahydropyran-2-one, [1,2]thiazinane 1,1-dioxide, pyrrolidine, tetrahydrofuran, tetrahydrothiophene, pyrrolidin-2-one, dihydrofuran-2-one, and isothiazolidine 1,1-dioxide, the heterocycle ring being optionally substituted by 0-2 R<sup>8</sup>;

 $R^5$  is  $CH_2$ phenyl substituted with 0-3  $R^{16}$ ; and

r is selected from 0, 1, and 2.

20

[9] In another embodiment, the present invention provides novel compounds of formula (I-i), wherein:

J is selected from  $CH_2$  and  $CHR^5$ ;

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K is selected from CH<sub>2</sub> and CHR<sup>5</sup>;

L is CHR<sup>5</sup>;

30 R<sup>3</sup> is selected from a C<sub>3-10</sub> carbocyclic residue
substituted with 0-3 R<sup>15</sup>, wherein the carbocyclic
residue is selected from cyclopropyl, cyclobutyl,
cyclopentyl, cyclohexyl, phenyl, naphthyl and
adamantyl, and a (CR<sup>3</sup>'H)<sub>r</sub>-heterocyclic system

35 substituted with 0-3 R<sup>15</sup>, wherein the heterocyclic
system is selected from pyridinyl, thiophenyl,
furanyl, indazolyl, benzothiazolyl, benzimidazolyl,

benzothiophenyl, benzofuranyl, benzoxazolyl,
 benzisoxazolyl, quinolinyl, isoquinolinyl,
 imidazolyl, indolyl, indolinyl, indazolyl,
 isoxazolinyl, morpholinyl, pyrrolidinyl,
 tetrahydropyranyl, tetrahydrofuranyl, isoindolyl,
 isothiadiazolyl, isoxazolyl, piperidinyl,
 pyrrazolyl, 1,2,4-triazolyl, 1,2,3-triazolyl,
 tetrazolyl, thiadiazolyl, thiazolyl, oxazolyl,
 pyrazinyl, and pyrimidinyl; and

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 $R^{15}$ , at each occurrence, is selected from  $C_{1-8}$  alkyl,  $(CH_2)_rC_{3-6}$  cycloalkyl,  $CF_3$ , Cl, Br, I, F,  $(CH_2)_rNR^{15a}R^{15a'}$ ,  $NO_2$ , CN, OH,  $(CH_2)_rOR^{15d}$ ,  $(CH_2)_rC(0)R^{15b}$ ,  $(CH_2)_rC(0)NR^{15a}R^{15a}$ ,  $(CH_2)_rNR^{15f}C(O)R^{15b}$ ,  $(CH_2)_rNR^{15f}C(O)O(CHR')_rR^{15d}$ , 15  $(CH_2)_rOC(O)NR^{15a}R^{15a'}$ ,  $(CH_2)_rS(O)_pR^{15b}$ ,  $(CH_2)_rS(O)_2NR^{15a}R^{15a}$ ,  $(CH_2)_rNR^{15f}S(O)_2R^{15b}$ ,  $(CH_2)_r$ phenyl substituted with 0-3 R<sup>15e</sup>, and a  $(CH_2)_r$ -5-6 membered heterocyclic system containing 1-4 20 heteroatoms selected from N, O, and S, substituted with 0-2  $R^{15e}$ , wherein the heterocyclic system is selected from tetrazolyl, piperidinyl, pyrrolidinyl, imidazolyl, thiazolyl, pyrazolyl, pyridyl, thienyl, furanyl, pyrrolyl, oxazolyl, isoxazolyl, triazolyl, 25 pyridazinyl, pyrimidinyl, pyrazinyl, morpholinyl, oxadiazolyl, and thiadiazolyl;

 $R^{15a}$  and  $R^{15a}$ , at each occurrence, are selected from H,  $C_{1-6}$  alkyl,  $C_{3-6}$  cycloalkyl, and  $(CH_2)_r$ phenyl substituted with 0-3  $R^{15e}$ ;

alternatively, R<sup>15a</sup> and R<sup>15a'</sup>, along with the N to which they are attached, join to form a 5-6 membered heterocyclic system containing 1-2 heteroatoms selected from NR<sup>15h</sup>, O, and S and optionally fused with a benzene ring or a 6-membered aromatic heterocycle;

 $R^{15b}$ , at each occurrence, is selected from H,  $C_{1-6}$  alkyl,  $C_{3-6}$  cycloalkyl, and  $(CH_2)_r$ phenyl substituted with 0-3  $R^{15e}$ ;

5

 $R^{15d}$ , at each occurrence, is selected from  $C_{1-6}$  alkyl and phenyl;

 $R^{15e}$ , at each occurrence, is selected from  $C_{1-6}$  alkyl, Cl, 10 F, Br, I, CN,  $NO_2$ ,  $(CF_2)_rCF_3$ , OH, and  $(CH_2)_rOC_{1-5}$  alkyl; and

 $R^{15f}$ , at each occurrence, is selected from H, and  $C_{1-5}$  alkyl.

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[10] In another embodiment, the present invention provides novel compounds of formula (I-ii), wherein:

K is selected from CH<sub>2</sub> and CHR<sup>5</sup>;

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L is CHR<sup>5</sup>;

 $R^3$  is selected from a  $C_{3-10}$  carbocyclic residue substituted with 0-3 R<sup>15</sup>, wherein the carbocyclic 25 residue is selected from cyclopropyl, cyclopentyl, cyclohexyl, phenyl, naphthyl and adamantyl, and a (CR3'H)<sub>r</sub>-heterocyclic system substituted with 0-3  $R^{15}$ , wherein the heterocyclic system is selected from pyridinyl, thiophenyl, furanyl, indazolyl, 30 benzothiazolyl, benzimidazolyl, benzothiophenyl, benzofuranyl, benzoxazolyl, benzisoxazolyl, quinolinyl, isoquinolinyl, imidazolyl, indazolyl, isoxazolinyl, morpholinyl, pyrrolidinyl, tetrahydropyranyl, tetrahydrofuranyl, indolyl, 35 indolinyl, isoindolyl, isothiadiazolyl, isoxazolyl, piperidinyl, pyrrazolyl, 1,2,4-triazolyl, 1,2,3triazolyl, tetrazolyl, thiadiazolyl, thiazolyl, oxazolyl, pyrazinyl, and pyrimidinyl; and

- $R^{15}$ , at each occurrence, is selected from  $C_{1-8}$  alkyl, 5  $(CH_2)_rC_{3-6}$  cycloalkyl,  $CF_3$ , Cl, Br, I, F, (CH<sub>2</sub>) rNR<sup>15a</sup>R<sup>15a</sup>, NO<sub>2</sub>, CN, OH, (CH<sub>2</sub>) rOR<sup>15d</sup>,  $(CH_2)_rC(0)R^{15b}$ ,  $(CH_2)_rC(0)NR^{15a}R^{15a}$ ,  $(CH_2)_rNR^{15f}C(0)R^{15b}$ ,  $(CH_2)_rNR^{15f}C(0)O(CHR')_rR^{15d}$ ,  $(CH_2)_rOC(O)NR^{15a}R^{15a'}$ ,  $(CH_2)_rS(O)_pR^{15b}$ , 10  $(CH_2)_rS(O)_2NR^{15a}R^{15a}$ ,  $(CH_2)_rNR^{15f}S(O)_2R^{15b}$ ,  $(CH_2)_r$ phenyl substituted with 0-3 R<sup>15e</sup>, and a  $(CH_2)_r$ -5-6 membered heterocyclic system containing 1-4 heteroatoms selected from N, O, and S, substituted with 0-2  $R^{15e}$ , wherein the heterocyclic system is selected from tetrazolyl, piperidinyl, pyrrolidinyl, 15 imidazolyl, thiazolyl, pyrazolyl, pyridyl, thienyl, furanyl, pyrrolyl, oxazolyl, isoxazolyl, triazolyl, pyridazinyl, pyrimidinyl, pyrazinyl, morpholinyl, oxadiazolyl, and thiadiazolyl;
  - $R^{15a}$  and  $R^{15a}$ , at each occurrence, are selected from H,  $C_{1-6}$  alkyl,  $C_{3-6}$  cycloalkyl, and  $(CH_2)_r$ phenyl substituted with 0-3  $R^{15e}$ ;

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- 25 alternatively, R<sup>15a</sup> and R<sup>15a'</sup>, along with the N to which they are attached, join to form a 5-6 membered heterocyclic system containing 1-2 heteroatoms selected from NR<sup>15h</sup>, O, and S and optionally fused with a benzene ring or a 6-membered aromatic heterocycle;
  - $R^{15b}$ , at each occurrence, is selected from H,  $C_{1-6}$  alkyl,  $C_{3-6}$  cycloalkyl, and  $(CH_2)_r$ phenyl substituted with 0-3  $R^{15e}$ ;

 $R^{15d}$ , at each occurrence, is selected from  $C_{1-6}$  alkyl and phenyl;

 $R^{15e}$ , at each occurrence, is selected from  $C_{1-6}$  alkyl, Cl, F, Br, I, CN,  $NO_2$ ,  $(CF_2)_rCF_3$ , OH, and  $(CH_2)_rOC_{1-5}$  alkyl; and

 $R^{15f}$ , at each occurrence, is selected from H, and  $C_{1-5}$  alkyl

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[11] In another embodiment, the present invention provides novel compounds of formula (I), wherein the compound of formula (I) is:

$$\begin{array}{c|c}
 & & Z \\
 & & & Z \\
 & & & & N \\
 & & & & H \\
 & & & & H \\
 & & & & H
\end{array}$$
(I)

15

G is selected from  $CH_2$  and C=0;

L is CHR<sup>5</sup>;

20

25

30

B is selected from piperidine, tetrahydropyran, tetrahydrothiopyran, pyrrolidinyl, tetrahydrofuranyl, tetrahydrothiophenyl, tetrahydrothiophene 1-oxide, and tetrahydrothiophene 1,1-dioxide;

 $R^3$  is selected from phenyl substituted with 1-2  $R^{15}$ ,  $-CH_2-CH_2$ -morpholin-1-yl substituted with 1-2  $R^{15}$ , indazolyl substituted with 1-2  $R^{15}$ , pyrazolyl substituted with 1-2  $R^{15}$  or thiazolyl substituted with 1-2  $R^{15}$ ;

 $R^5$  is selected from a  $CH_2$ -phenyl substituted with 1-2  $R^{16}$ ;

- R<sup>9</sup> is selected from H, C<sub>2-6</sub> alkyl substituted with 0-3

  R<sup>9a</sup>, wherein the alkyl is selected from methyl,
  ethyl, propyl, i-propyl, butyl, i-butyl, s-butyl, tbutyl, neo-pentyl; -CH<sub>2</sub>CH=CH<sub>2</sub>; -CH<sub>2</sub>C≡CH; 2
  fluoroethyl, 2,2-difluoroethyl, 2,2,2trifluoroethyl, (CH<sub>2</sub>)<sub>r</sub>C(O)C<sub>1-6</sub> alkyl substituted with
  0-2 R<sup>9j</sup>, wherein the alkyl is selected from methyl,
  ethyl, propyl, i-propyl, butyl, t-butyl;
  C(O)Omethyl, C(O)Ot-butyl, SO<sub>2</sub>methyl, SO<sub>2</sub>ethyl,

  SO<sub>2</sub>propyl, SO<sub>2</sub>i-propyl, SO<sub>2</sub>t-butyl, SO<sub>2</sub>CF<sub>3</sub>,
  (CH<sub>2</sub>)<sub>r</sub>C(O)NR<sup>9d</sup>R<sup>9d</sup>'; (CH<sub>2</sub>)<sub>r</sub>C(O)R<sup>9'</sup>, (CH<sub>2</sub>)<sub>r</sub>C(O)NR<sup>9d</sup>R<sup>9'</sup>,
  (CH<sub>2</sub>)<sub>r</sub>S(O)<sub>2</sub>R<sup>9'</sup>, R<sup>9'</sup>, and (CH<sub>2</sub>)<sub>r</sub>S(O)<sub>2</sub>NR<sup>9d</sup>R<sup>9'</sup>;
- R9', at each occurrence, is independently selected from 15  $(CHR')_rC_{3-6}$  cycloalkyl, wherein the cycloalkyl is selected from cyclopropyl, cyclobutyl, cyclopentyl, and cyclohexyl, (CHR') rphenyl substituted with 0-3  $R^{9c}$ , (CHR')<sub>r</sub>5-6 membered heterocycle system containing 1-4 heteroatoms selected from N, O, and S, substituted with 0-3  $R^{9c}$ , wherein the heterocycle 20 is selected from oxadiazolyl, morpholinyl, piperidinyl, tetrahydropyranyl, tetrahydrothiopyranyl, tetrahydrothiopyranyl dioxide, thiophene, imidazolyl, pyrrolidinyl, 25 pyrrolyl, thiazolyl, and furanyl, and (CHR')rphenyl substituted with  $0-3 R^{9c}$ ;
- $R^{9a}$ , at each occurrence, is selected from CN, O-methyl, O-ethyl, CF<sub>3</sub>, OH, OC(O)-methyl, S-methyl, S-ethyl, S-propyl,  $S(O)_p$ -methyl,  $S(O)_p$ -ethyl,  $S(O)_p$ -propyl, and  $NR^{9d}R^{9d}$ ;
  - R<sup>9c</sup>, at each occurrence, is selected from methyl, ethyl, propyl, C(0)-methyl, C(0)0-t-butyl;

- R<sup>9d</sup> and R<sup>9d'</sup>, at each occurrence, are independently selected from H, methyl, ethyl, propyl, i-propyl, butyl, t-butyl;
- $R^{9j}$ , at each occurrence, is selected from O-methyl, 5 O-ethyl, and  $NR^{9d}R^{9d'}$ ;
  - R<sup>15</sup> is selected from Me, CF<sub>3</sub>, OMe, OCF<sub>3</sub>, F, Cl, Br, OH, OMe, C(O)Me, CH(OH)Me, CN, CO<sub>2</sub>Me, CO<sub>2</sub>Et, SO<sub>2</sub>NH<sub>2</sub>, NHC(O)Me, C(O)NH<sub>2</sub>, C(O)NHMe, C(O)NHCH<sub>2</sub>CH<sub>2</sub>OMe, C(O)piperidinyl, C(O)pyrrolidinyl, C(O)morpholiny
- 10 C(0)piperidinyl, C(0)pyrrolidinyl, C(0)morpholinyl, and a 5-6 membered heterocyclic system, wherein the heterocyclic system is selected from tetrazolyl, indazolyl, pyrazolyl, triazolyl, morpholinyl, and thiazolyl, the heterocyclic system substituted with 0-2 R<sup>15e</sup>;
  - R<sup>15e</sup> is selected from methyl, ethyl, propyl, i-propyl,
     cyclopropyl, cyclopropylmethyl, acetyl, and t butoxycarbonyl;

R<sup>16</sup> is selected from F, Cl, Br, and I;

- [12] In another embodiment, the present invention provides novel compounds of formula (I), wherein the compounds are selected from:
  - (3R,4R)-4-[3-(3-acetyl-phenyl)-ureido]-3-[(S)-3-(4fluoro-benzyl)-piperidine-1-carbonyl]-piperidine-1carboxylic acid t-butyl ester;
- 30
  1-(3-acetyl-phenyl)-3-{(3R,4R)-3-[(S)-3-(4-fluorobenzyl)-piperidine-1-carbonyl]-piperidin-4-yl}-urea;

```
1-\{(3R,4R)-3-[(S)-3-(4-fluoro-benzyl)-piperidine-1-
                                       carbonyl]-piperidin-4-yl}-3-[3-(1-methyl-1H-
                                       tetrazol-5-yl)-phenyl]-urea;
     5
                   1-\{1-(2,2-Dimethyl-propionyl)-3-[(3R,4R)-3-((S)-4-fluoro-1-(S)-4-fluoro-1-(S)-4-fluoro-1-(S)-4-fluoro-1-(S)-4-fluoro-1-(S)-4-fluoro-1-(S)-4-fluoro-1-(S)-4-fluoro-1-(S)-4-fluoro-1-(S)-4-fluoro-1-(S)-4-fluoro-1-(S)-4-fluoro-1-(S)-4-fluoro-1-(S)-4-fluoro-1-(S)-4-fluoro-1-(S)-4-fluoro-1-(S)-4-fluoro-1-(S)-4-fluoro-1-(S)-4-fluoro-1-(S)-4-fluoro-1-(S)-4-fluoro-1-(S)-4-fluoro-1-(S)-4-fluoro-1-(S)-4-fluoro-1-(S)-4-fluoro-1-(S)-4-fluoro-1-(S)-4-fluoro-1-(S)-4-fluoro-1-(S)-4-fluoro-1-(S)-4-fluoro-1-(S)-4-fluoro-1-(S)-4-fluoro-1-(S)-4-fluoro-1-(S)-4-fluoro-1-(S)-4-fluoro-1-(S)-4-fluoro-1-(S)-4-fluoro-1-(S)-4-fluoro-1-(S)-4-fluoro-1-(S)-4-fluoro-1-(S)-4-fluoro-1-(S)-4-fluoro-1-(S)-4-fluoro-1-(S)-4-fluoro-1-(S)-4-fluoro-1-(S)-4-fluoro-1-(S)-4-fluoro-1-(S)-4-fluoro-1-(S)-4-fluoro-1-(S)-4-fluoro-1-(S)-4-fluoro-1-(S)-4-fluoro-1-(S)-4-fluoro-1-(S)-4-fluoro-1-(S)-4-fluoro-1-(S)-4-fluoro-1-(S)-4-fluoro-1-(S)-4-fluoro-1-(S)-4-fluoro-1-(S)-4-fluoro-1-(S)-4-fluoro-1-(S)-4-fluoro-1-(S)-4-fluoro-1-(S)-4-fluoro-1-(S)-4-fluoro-1-(S)-4-fluoro-1-(S)-4-fluoro-1-(S)-4-fluoro-1-(S)-4-fluoro-1-(S)-4-fluoro-1-(S)-4-fluoro-1-(S)-4-fluoro-1-(S)-4-fluoro-1-(S)-4-fluoro-1-(S)-4-fluoro-1-(S)-4-fluoro-1-(S)-4-fluoro-1-(S)-4-fluoro-1-(S)-4-fluoro-1-(S)-4-fluoro-1-(S)-4-fluoro-1-(S)-4-fluoro-1-(S)-4-fluoro-1-(S)-4-fluoro-1-(S)-4-fluoro-1-(S)-4-fluoro-1-(S)-4-fluoro-1-(S)-4-fluoro-1-(S)-4-fluoro-1-(S)-4-fluoro-1-(S)-4-fluoro-1-(S)-4-fluoro-1-(S)-4-fluoro-1-(S)-4-fluoro-1-(S)-4-fluoro-1-(S)-4-fluoro-1-(S)-4-fluoro-1-(S)-4-fluoro-1-(S)-4-fluoro-1-(S)-4-fluoro-1-(S)-4-fluoro-1-(S)-4-fluoro-1-(S)-4-fluoro-1-(S)-4-fluoro-1-(S)-4-fluoro-1-(S)-4-fluoro-1-(S)-4-fluoro-1-(S)-4-fluoro-1-(S)-4-fluoro-1-(S)-4-fluoro-1-(S)-4-fluoro-1-(S)-4-fluoro-1-(S)-4-fluoro-1-(S)-4-fluoro-1-(S)-4-fluoro-1-(S)-4-fluoro-1-(S)-4-fluoro-1-(S)-4-fluoro-1-(S)-4-fluoro-1-(S)-4-fluoro-1-(S)-4-fluoro-1-(S)-4-fluoro-1-(S)-4-fluoro-1-(S)-4-fluoro-1-(S)-4-fluoro-1-(S)-4-fluoro-1-(S)-4-fluoro-1-(S)-4-fluoro-1-(S)-4-fluoro-1-(S)-4-fluoro-1-(S)-4-fluoro-1-(S)-4-fluoro-1-(S)-4-fluoro-1-(S)-6
                                       benzyl)-piperidine-1-carbonyl]-piperidin-4-y1}-3-[3-
                                       (1-methyl-1H-tetrazol-5-yl)-phenyl]-urea;
                   1-\{1-Acetyl-3-[(3R,4R)-3-((S)-4-fluoro-benzyl)-
 10
                                       piperidine-1-carbonyl]-piperidin-4-yl}-3-[3-(1-
                                      methyl-1H-tetrazol-5-yl)-phenyl]-urea;
                   1-\{(3R,4R)-3-[(S)-3-(4-Fluoro-benzyl)-piperidine-1-
                                       carbonyl]-1-methanesulfonyl-piperidin-4-yl}-3-[3-(1-
 15
                                      methyl-1H-tetrazol-5-yl)-phenyl]-urea;
                   1-\{(3R,4R)-3-[(S)-3-(4-Fluoro-benzyl)-piperidine-1-
                                      carbonyl]-1-methyl-piperidin-4-yl}-3-[3-(1-methyl-
                                       1H-tetrazol-5-yl)-phenyl]-urea;
 20
                   5-(3-(3R,4R)-1-tert-butoxycarbony1-3-(S)-3-(4-fluoro-
                                      benzyl)-piperidine-1-carbonyl]-piperidin-4-yl}-
                                      ureido)-indazole-1-carboxylic acid t-butyl ester;
25
                  5-(3-\{(3R,4R)-3-[(S)-3-(4-fluoro-benzyl)-piperidine-1-
                                      carbonyl]-piperidin-4-yl}-ureido)-indazole-1-
                                     carboxylic acid t-butyl ester;
                   (3R, 4R) - 4 - [3 - (5 - acetyl - 4 - methyl - thiazol - 2 - yl) - ureido] - 3 - (5 - acetyl - 4 - methyl - thiazol - 2 - yl) - ureido] - 3 - (5 - acetyl - 4 - methyl - thiazol - 2 - yl) - ureido] - 3 - (5 - acetyl - 4 - methyl - thiazol - 2 - yl) - ureido] - 3 - (5 - acetyl - 4 - methyl - thiazol - 2 - yl) - ureido] - 3 - (5 - acetyl - 4 - methyl - thiazol - 2 - yl) - ureido] - 3 - (5 - acetyl - 4 - methyl - thiazol - 2 - yl) - ureido] - 3 - (5 - acetyl - 4 - methyl - thiazol - 2 - yl) - ureido] - 3 - (5 - acetyl - 4 - methyl - thiazol - 2 - yl) - ureido] - 3 - (5 - acetyl - 4 - methyl - thiazol - 2 - yl) - ureido] - 3 - (5 - acetyl - 4 - methyl - thiazol - 2 - yl) - ureido] - 3 - (5 - acetyl - 4 - methyl - thiazol - 2 - yl) - ureido] - 3 - (5 - acetyl - 4 - methyl - thiazol - 2 - yl) - ureido] - 3 - (5 - acetyl - 4 - methyl - thiazol - 2 - yl) - ureido] - 3 - (5 - acetyl - 4 - methyl - thiazol - 2 - yl) - ureido] - (5 - acetyl - 4 - methyl - thiazol - 2 - yl) - ureido] - (5 - acetyl - 4 - methyl - 5 - yl) - (5 - acetyl - 4 - methyl - 5 - yl) - (5 - acetyl - 4 - methyl - 5 - yl) - (5 - acetyl - 4 - methyl - 5 - yl) - (5 - acetyl - 4 - methyl - 5 - yl) - (5 - acetyl - 4 - methyl - 5 - yl) - (5 - acetyl - 4 - methyl - 5 - yl) - (5 - acetyl - 4 - methyl - 5 - yl) - (5 - acetyl - 4 - methyl - 5 - yl) - (5 - acetyl - 4 - methyl - 5 - yl) - (5 - acetyl - 4 - methyl - 5 - yl) - (5 - acetyl - 4 - methyl - 5 - yl) - (5 - acetyl - 4 - methyl - 5 - yl) - (5 - acetyl - 4 - methyl - 5 - yl) - (5 - acetyl - 4 - methyl - 5 - yl) - (5 - acetyl - 4 - methyl - 5 - yl) - (5 - acetyl - 4 - methyl - 5 - yl) - (5 - acetyl - 4 - methyl - 5 - yl) - (5 - acetyl - 4 - methyl - 5 - yl) - (5 - acetyl - 4 - methyl - 5 - yl) - (5 - acetyl - 4 - methyl - 5 - yl) - (5 - acetyl - 4 - methyl - 5 - yl) - (5 - acetyl - 4 - methyl - 5 - yl) - (5 - acetyl - 4 - methyl - 5 - yl) - (5 - acetyl - 4 - yl) - 
30
                                       [(S)-3-(4-fluoro-benzyl)-piperidine-1-carbonyl]-
                                     piperidine-1-carboxylic acid t-butyl ester;
                  1-(5-acetyl-4-methyl-thiazol-2-yl)-3-{(3R,4R)-3-[(S)-3-
                                      (4-fluoro-benzyl)-piperidine-1-carbonyl]-piperidin-
35
                                     4-y1}-urea;
                  (3R, 4S) - 3 - [3 - (3 - acetyl - phenyl) - ureido] - 4 - [(S) - 3 - (4 - acetyl - phenyl)]
                                     fluoro-benzyl)-piperidine-1-carbonyl]-piperidine-1-
                                     carboxylic acid t-butyl ester;
40
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```
1-(3-acetyl-phenyl)-3-{(3R,4R)-4-[(S)-3-(4-fluoro-
                           benzyl)-piperidine-1-carbonyl]-piperidin-3-yl}-urea;
             (3R, 4R) - 4 - [3 - (3 - acetyl - phenyl) - ureido] - 3 - [(S) - 3 - (4 - acetyl - phenyl)]
   5
                           fluoro-benzyl)-piperidin-1-ylmethyl]-piperidine-1-
                           carboxylic acid t-butyl ester;
             1-(3-acetyl-phenyl)-3-\{(3S,4R)-3-[(S)-3-(4-fluoro-
                           benzyl)-piperidin-1-ylmethyl]-piperidin-4-yl}-urea;
10
             1 - \{(3R, 4R) - 1 - acetyl - 3 - \{(S) - 3 - (4 - fluoro - benzyl) - piperidin-
                           1-ylmethyl]-piperidin-4-yl}-3-(3-acetyl-phenyl)-
                           urea;
15
             1-(3-acetyl-phenyl)-3-{(3R,4R)-3-[(S)-3-(4-fluoro-
                           benzyl)-piperidin-1-ylmethyl]-1-methanesulfonyl-
                           piperidin-4-yl}-urea;
             1-(3-acetyl-phenyl)-3-\{(3S,4R)-3-[(S)-3-(4-fluoro-1)]
20
                           benzyl)-piperidin-1-ylmethyl]-1-methyl-piperidin-4-
                           vl}-urea;
             1-(3-acetyl-phenyl)-3-{(3R,4R)-3-[(S)-3-(4-fluoro-
                           benzyl)-piperidin-1-ylmethyl]-1-isobutyl-piperidin-
25
                           4-yl}-urea;
             (3R,4R)-3-[(S)-3-(4-fluoro-benzyl)-piperidin-1-ylmethyl]-
                           4-{3-[3-(1-methyl-1H-tetrazol-5-yl)-phenyl]-ureido}-
                          piperidine-1-carboxylic acid t-butyl ester;
30
             1 - \{(3S, 4R) - 3 - \{(S) - 3 - (4 - fluoro - benzyl) - piperidin - 1 - \{(3S, 4R) - 3 - \{(S) - 3 - (4 - fluoro - benzyl) - piperidin - 1 - \{(3S, 4R) - 3 - \{(S) - 3 - (4 - fluoro - benzyl) - piperidin - 1 - \{(3S, 4R) - 3 - \{(S) - 3 - (4 - fluoro - benzyl) - piperidin - 1 - \{(3S, 4R) - 3 - \{(S) - 3 - (4 - fluoro - benzyl) - piperidin - 1 - \{(S, 4R) - 3 - \{(S) - 3 - (4 - fluoro - benzyl) - piperidin - 1 - \{(S, 4R) - 3 - \{(S, 4R) - 3 - (4 - fluoro - benzyl) - piperidin - 1 - \{(S, 4R) - 3 - (4 - fluoro - benzyl) - piperidin - 1 - \{(S, 4R) - 3 - (4 - fluoro - benzyl) - piperidin - 1 - \{(S, 4R) - 3 - (4 - fluoro - benzyl) - piperidin - 1 - \{(S, 4R) - 3 - (4 - fluoro - benzyl) - piperidin - 1 - \{(S, 4R) - 4 - (4 - fluoro - benzyl) - piperidin - 1 - \{(S, 4R) - 4 - (4 - fluoro - benzyl) - piperidin - 1 - \{(S, 4R) - 4 - (4 - fluoro - benzyl) - piperidin - 1 - \{(S, 4R) - 4 - (4 - fluoro - benzyl) - piperidin - \{(S, 4R) - 4 - (4 - fluoro - benzyl) - piperidin - \{(S, 4R) - 4 - (4 - fluoro - benzyl) - (4 - fluoro - benzyl) - piperidin - \{(S, 4R) - 4 - (4 - fluoro - benzyl) - (4 - fluoro - benzyl) - \{(S, 4R) - 4 - (4 - fluoro - benzyl) - (4 - fluoro - benzyl) - piperidin - \{(S, 4R) - 4 - (4 - fluoro - benzyl) - (4 - fluoro - benzyl) - \{(S, 4R) - 4 - (4 - fluoro - benzyl) - (4 - fluoro - benzyl) - \{(S, 4R) - 4 - (4 - fluoro - benzyl) - (4 - fluoro - benzyl) - \{(S, 4R) - (4 - fluoro - benzyl) - (4 - fluoro - benzyl) - \{(S, 4R) - (4 - fluoro - benzyl) - (4 - fluoro - benzyl) - \{(S, 4R) - (4 - fluoro - benzyl) - (4 - fluoro - benzyl) - \{(S, 4R) - (4 - fluoro - benzyl) - (4 - fluoro - benzyl) - \{(S, 4R) - (4 - fluoro - benzyl) - (4 - fluoro - benzyl) - \{(S, 4R) - (4 - fluoro - benzyl) - (4 - fluoro - benzyl) - (4 - fluoro - benzyl) - \{(S, 4R) - (4 - fluoro - benzyl) - (4 
                          ylmethyl]-piperidin-4-yl}-3-[3-(1-methyl-1H-
                           tetrazol-5-yl)-phenyl]-urea;
35
             5-(3-\{(3R,4R)-1-t-butoxycarbonyl-3-[(S)-3-(4-fluoro-
```

benzyl)-piperidin-1-ylmethyl]-piperidin-4-yl}ureido)-indazole-1-carboxylic acid t-butyl ester;

5-(3-{(3S,4R)-3-[(S)-3-(4-Fluoro-benzyl)-piperidin-1-

carboxylic acid t-butyl ester;

ylmethyl]-piperidin-4-yl}-ureido)-indazole-1-

```
(3R,4R)-4-[3-(5-acetyl-4-methyl-thiazol-2-yl)-ureido]-3-
[(S)-3-(4-fluoro-benzyl)-piperidin-1-ylmethyl]-
piperidine-1-carboxylic acid t-butyl ester;
```

- 5 1-(5-acetyl-4-methyl-thiazol-2-yl)-3-{(3S,4R)-3-[(S)-3-(4-fluoro-benzyl)-piperidin-1-ylmethyl]-piperidin-4-yl}-urea;
- (3R,4R)-4-[3-(3-acetyl-phenyl)-ureido]-3-[(S)-3-(410 fluoro-benzyl)-piperidin-1-ylmethyl]-piperidine-1carboxylic acid t-butyl ester;

- 1-(3-acetyl-phenyl)-3-{(3R,4S)-4-[(S)-3-(4-fluoro-benzyl)-piperidin-1-ylmethyl]-piperidin-3-yl}-urea;
- (3S,4R)-4-[3-(3-acetyl-phenyl)-ureido]-3-[(S)-3-(4fluoro-benzyl)-piperidine-1-carbonyl]-piperidine-1carboxylic acid t-butyl ester;
- 20 1-(3-acetyl-phenyl)-3-{(3S,4R)-3-[(S)-3-(4-fluorobenzyl)-piperidine-1-carbonyl]-piperidin-4-yl}-urea;
- (3R,4R)-4-[3-(3-acetyl-phenyl)-ureido]-3-[(S)-3-(4fluoro-benzyl)-piperidin-1-ylmethyl]-piperidine-1carboxylic acid methyl ester;
  - 1-(3-acetyl-phenyl)-3-{(3R,4R)-1-(2,2-dimethylpropionyl)-3-[(S)-3-(4-fluoro-benzyl)-piperidin-1ylmethyl]-piperidin-4-yl}-urea;
- 30
  (3R,4S)-3-[3-(5-acetyl-4-methyl-thiazol-2-yl)-ureido]-4[(S)-3-(4-fluoro-benzyl)-piperidine-1-carbonyl]piperidine-1-carboxylic acid t-butyl ester;
- 35 1-(3-acetyl-phenyl)-3-{(3S,4R)-3-[(S)-3-(4-fluoro-benzyl)-piperidin-1-ylmethyl]-1-(2-fluoro-ethyl)-piperidin-4-yl}-urea;

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1-(3-acetyl-phenyl)-3-{(3R,4R)-3-[(S)-3-(4-fluoro-
                                        benzyl)-piperidin-1-ylmethyl]-1-(2-oxo-propyl)-
                                        piperidin-4-y1}-urea;
                   1-(3-acetyl-phenyl)-3-\{(3R,4S)-4-[(S)-3-(4-fluoro-1)]
                                        benzyl)-piperidin-1-ylmethyl]-1-methyl-piperidin-3-
                                        vl}-urea;
                    1 - \{(3R, 4S) - 1 - Acetyl - 4 - [(S) - 3 - (4 - fluoro - benzyl) - piperidin - (4 - fluoro - benzyl) - piperidin - (4 - fluoro - benzyl) - piperidin - (5 - fluoro - benzyl) - (5 - fluoro - benzyl
 10
                                         1-ylmethyl]-piperidin-3-yl}-3-(3-acetyl-phenyl)-
                                        urea;
                    1-\{(3R,4R)-1-acetyl-3-[(S)-3-(4-fluoro-benzyl)-piperidin-
                                         1-ylmethyl]-piperidin-4-yl}-3-(1-methyl-1H-tetrazol-
 15
                                         5-y1)-urea;
                    1-\{(3S, 4R)-3-[(S)-3-(4-fluoro-benzyl)-piperidin-1-
                                        ylmethyl]-1-methyl-piperidin-4-yl}-3-(1-methyl-1H-
                                         tetrazol-5-yl)-urea;
 20
                   1-\{(3R,4R)-3-[(S)-3-(4-fluoro-benzyl)-piperidin-1-
                                        ylmethyl]-1-methanesulfonyl-piperidin-4-yl}-3-(1-
                                        methyl-1H-tetrazol-5-yl)-urea;
25
                   1-\{(3R,4R)-3-[(S)-3-(4-Fluoro-benzyl)-piperidine-1-
                                        carbonyl]-1-(2-oxo-propyl)-piperidin-4-yl}-3-[3-(1-oxo-propyl)-piperidin-4-yl}-3-[3-(1-oxo-propyl)-piperidin-4-yl}-3-[3-(1-oxo-propyl)-piperidin-4-yl]-3-[3-(1-oxo-propyl)-piperidin-4-yl]-3-[3-(1-oxo-propyl)-piperidin-4-yl]-3-[3-(1-oxo-propyl)-piperidin-4-yl]-3-[3-(1-oxo-propyl)-piperidin-4-yl]-3-[3-(1-oxo-propyl)-piperidin-4-yl]-3-[3-(1-oxo-propyl)-piperidin-4-yl]-3-[3-(1-oxo-propyl)-piperidin-4-yl]-3-[3-(1-oxo-propyl)-piperidin-4-yl]-3-[3-(1-oxo-propyl)-piperidin-4-yl]-3-[3-(1-oxo-propyl)-piperidin-4-yl]-3-[3-(1-oxo-propyl)-piperidin-4-yl]-3-[3-(1-oxo-propyl)-piperidin-4-yl]-3-[3-(1-oxo-propyl)-piperidin-4-yl]-3-[3-(1-oxo-propyl)-piperidin-4-yl]-3-[3-(1-oxo-propyl)-piperidin-4-yl]-3-[3-(1-oxo-propyl)-piperidin-4-yl]-3-[3-(1-oxo-propyl)-piperidin-4-yl]-3-[3-(1-oxo-propyl)-piperidin-4-yl]-3-[3-(1-oxo-propyl)-piperidin-4-yl]-3-[3-(1-oxo-propyl)-piperidin-4-yl]-3-[3-(1-oxo-propyl)-piperidin-4-yl]-3-[3-(1-oxo-propyl)-piperidin-4-yl]-3-[3-(1-oxo-propyl)-piperidin-4-yl]-3-[3-(1-oxo-propyl)-piperidin-4-yl]-3-[3-(1-oxo-propyl)-piperidin-4-yl]-3-[3-(1-oxo-propyl)-piperidin-4-yl]-3-[3-(1-oxo-propyl)-piperidin-4-yl]-3-[3-(1-oxo-propyl)-piperidin-4-yl]-3-[3-(1-oxo-propyl)-piperidin-4-yl]-3-[3-(1-oxo-propyl)-piperidin-4-yl]-3-[3-(1-oxo-propyl)-piperidin-4-yl]-3-[3-(1-oxo-propyl)-piperidin-4-yl]-3-[3-(1-oxo-propyl)-piperidin-4-yl]-3-[3-(1-oxo-propyl)-piperidin-4-yl]-3-[3-(1-oxo-propyl)-piperidin-4-yl]-3-[3-(1-oxo-propyl)-piperidin-4-yl]-3-[3-(1-oxo-propyl)-4-yl]-3-[3-(1-oxo-propyl)-4-yl]-3-[3-(1-oxo-propyl)-4-yl]-3-[3-(1-oxo-propyl)-4-yl]-3-[3-(1-oxo-propyl)-4-yl]-3-[3-(1-oxo-propyl)-4-yl]-3-[3-(1-oxo-propyl)-4-yl]-3-[3-(1-oxo-propyl)-4-yl]-3-[3-(1-oxo-propyl)-4-yl]-3-[3-(1-oxo-propyl)-4-yl]-3-[3-(1-oxo-propyl)-4-yl]-3-[3-(1-oxo-propyl)-4-yl]-3-[3-(1-oxo-propyl)-4-yl]-3-[3-(1-oxo-propyl)-4-yl]-3-[3-(1-oxo-propyl)-4-yl]-3-[3-(1-oxo-propyl)-4-yl]-3-[3-(1-oxo-propyl)-4-yl]-3-[3-(1-oxo-propyl)-4-yl]-3-[3-(1-oxo-propyl)-4-yl]-3-[3-(1-oxo-propyl)-4-yl]-3-[3-(1-oxo-propyl)-4-yl]-3-[3-(1-oxo-propyl)-4-yl]-3-[3-(1-oxo-propyl)-4-yl]
                                       methyl-1H-tetrazol-5-yl)-phenyl]-urea;
                   1-\{(3R,4R)-3-[(S)-3-(4-Fluoro-benzyl)-piperidine-1-
30
                                        carbonyl]-1-(2-fluoro-ethyl)-piperidin-4-yl}-3-[3-
                                         (1-methyl-1H-tetrazol-5-yl)-phenyl]-urea;
                   1-\{(3R,4R)-3-[(S)-3-(4-Fluoro-benzyl)-piperidine-1-
                                        carbonyl]-1-trifluoromethanesulfonyl-piperidin-4-
35
                                       yl}-3-[3-(1-methyl-1H-tetrazol-5-yl)-phenyl]-urea;
                   1-(3-Acetyl-phenyl)-3-\{(2S,3R)-2-[(S)-3-(4-fluoro-
                                       benzyl)-piperidin-1-ylmethyl]-tetrahydro-pyran-3-
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yl}-urea;

 $1-\{(2S,3R)-2-[(S)-3-(4-Fluoro-benzyl)-piperidin-1$ ylmethyl]-tetrahydro-pyran-3-yl}-3-[3-(1-methyl-1Htetrazol-5-yl)-phenyl]-urea; 5  $1-\{(2S,3R)-2-[(S)-3-(4-Fluoro-benzyl)-piperidin-1$ ylmethyl]-tetrahydro-pyran-3-yl}-3-(5-acetyl-4methyl-thiazol-2-yl)-urea; 10  $1-(3-Acetyl-phenyl)-3-\{(2S,3R)-2-[(S)-3-(4-fluoro-1)]$ benzyl)-piperidine-1-carbonyl]-tetrahydro-pyran-3yl}-urea;  $1-\{(2S,3R)-2-[(S)-3-(4-Fluoro-benzyl)-piperidine-1-$ 15 carbonyl]-tetrahydro-pyran-3-yl}-3-[3-(1-methyl-1Htetrazol-5-yl)-phenyl]-urea;  $1-\{(2S,3R)-2-[(S)-3-(4-Fluoro-benzyl)-piperidine-1$ carbonyl]-tetrahydro-pyran-3-yl}-3-(5-acetyl-4-20 methyl-thiazol-2-yl)-urea;  $1-\{(3S, 4R)-3-[(S)-3-(4-fluoro-benzyl)-piperidin-1$ ylmethyl]-1-methyl-piperidin-4-yl}-3-(5-acetyl-4methyl-thiazol-2-yl)-urea; 25  $1-\{(3R,4R)-1-acetyl-3-[(S)-3-(4-fluoro-benzyl)-piperidin-$ 1-ylmethyl]-piperidin-4-yl}-3-(5-acetyl-4-methylthiazol-2-yl)-urea; 30  $1-(5-Acetyl-4-methyl-thiazol-2-yl)-3-{(3R,4R)-3-[(S)-3-$ (4-fluoro-benzyl)-piperidin-1-ylmethyl]-1isobutyryl-piperidin-4-yl}-urea;  $1-\{(3R,4R)-3-[(S)-3-(4-fluoro-benzyl)-piperidin-1-$ 35 ylmethyl]-1-methanesulfonyl-piperidin-4-yl}-3-(5acetyl-4-methyl-thiazol-2-yl)-urea;

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1-\{(3S,4R)-3-[(S)-3-(4-fluoro-benzyl)-piperidin-1-
          ylmethyl]-1-(2-fluoroethyl)-piperidin-4-yl}-3-(5-
          acetyl-4-methyl-thiazol-2-yl)-urea;
    1-\{(3R,4R)-3-[(S)-3-(4-fluoro-benzyl)-piperidin-1-
          ylmethyl]-1-(2-oxopropyl)-piperidin-4-yl}-3-(5-
          acetyl-4-methyl-thiazol-2-yl)-urea;
     1-(3-Acetyl-phenyl)-3-\{(3R,4R)-3-[(S)-3-(4-fluoro-1)]
10
          benzyl)-piperidin-1-ylmethyl]-tetrahydro-pyran-4-
          yl}-urea;
    1-\{(3R,4R)-3-[(S)3-(4-Fluoro-benzyl)-piperidin-1-
          ylmethyl]-tetrahydro-pyran-4-yl}-3-[3-(1-methyl-1H-
15
          tetrazol-5-yl)-phenyl]-urea;
    1-\{(3R, 4R)-3-[(S)3-(4-Fluoro-benzyl)-piperidin-1-
         ylmethyl]-tetrahydro-pyran-4-yl}-3-(5-acetyl-4-
         methyl-thiazol-2-yl)-urea;
20
    1-(3-Acetyl-phenyl)-3-\{(3R,4R)-3-[(S)-3-(4-fluoro-1)]
         benzyl)-piperidine-1-carbonyl]-tetrahydro-pyran-4-
         yl}-urea;
25
    1-\{(3R,4R)-3-[(S)3-(4-Fluoro-benzyl)-piperidine-1-
         carbonyl]-tetrahydro-pyran-4-yl}-3-[3-(1-methyl-1H-
          tetrazol-5-yl)-phenyl]-urea;
    1-\{(3R,4R)-3-[(S)3-(4-Fluoro-benzyl)-piperidine-1-
30
         carbonyl]-tetrahydro-pyran-4-yl}-3-(5-acetyl-4-
         methyl-thiazol-2-yl)-urea;
    1-\{(3S, 4R)-3-[(S)-3-(4-fluoro-benzyl)-piperidin-1-
         ylmethyl]-piperidin-4-yl}-3-(4-fluoro-phenyl)-urea;
35
    (3R,4R)-3-[(S)-3-(4-fluoro-benzyl)-piperidin-1-ylmethyl]-
         4-[3-(4-fluoro-phenyl)-ureido]-piperidine-1-
         carboxylic acid t-butyl ester;
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1-\{(3R,4R)-1-acetyl-3-[(S)-3-(4-fluoro-benzyl)-piperidin-
                                            1-ylmethyl]-piperidin-4-yl}-3-(4-fluoro-phenyl)-
                                            urea;
     5
                    1-\{(3S,4R)-3-[(S)-3-(4-fluoro-benzyl)-piperidin-1-
                                            ylmethyl]-1-methyl-piperidin-4-yl}-3-(4-fluoro-
                                           phenyl)-urea;
                     1-\{(3S,4R)-3-[(S)-3-(4-fluoro-benzyl)-piperidin-1-
10
                                            ylmethyl]-1-ethyl-piperidin-4-yl}-3-(4-fluoro-
                                           phenyl)-urea;
                     1-\{(3R,4R)-3-[(S)-3-(4-fluoro-benzyl)-piperidin-1-
                                            ylmethyl]-1-[1,2,4]oxadiazol-3-ylmethyl-piperidin-4-
15
                                           yl}-3-(4-fluoro-phenyl)-urea;
                    2-\{(3R,4R)-3-[(S)-3-(4-fluoro-benzyl)-piperidin-1-
                                           ylmethyl]-4-[3-(4-fluoro-phenyl)-ureido]-piperidin-
                                            1-y1}-N-isopropyl-acetamide;
20
                    1 - \{(3R, 4R) - 3 - [(S) - 3 - (4 - fluoro - benzyl) - piperidin - 1 - (3R, 4R) - 3 - [(S) - 3 - (4 - fluoro - benzyl) - piperidin - 1 - (3R, 4R) - 3 - [(S) - 3 - (4 - fluoro - benzyl) - piperidin - 1 - (3R, 4R) - 3 - [(S) - 3 - (4 - fluoro - benzyl) - piperidin - 1 - (3R, 4R) - 3 - [(S) - 3 - (4 - fluoro - benzyl) - piperidin - 1 - (3R, 4R) - (3R,
                                           ylmethyl]-1-prop-2-ynyl-piperidin-4-yl}-3-(4-fluoro-
                                           phenyl)-urea;
25
                    1-(3-acetyl-phenyl)-3-\{(3R,4R)-3-[(S)-3-(4-fluoro-
                                           benzyl)-piperidin-1-ylmethyl]-[1,4']bipiperidinyl-4-
                                          yl}-urea;
                    1-\{(3R,4R)-1'-acetyl-3-[(S)-3-(4-fluoro-benzyl)-1-\{(3R,4R)-1'-acetyl-3-[(S)-3-(4-fluoro-benzyl)-1-(3R,4R)-1'-acetyl-3-[(S)-3-(4-fluoro-benzyl)-1-(3R,4R)-1'-acetyl-3-[(S)-3-(4-fluoro-benzyl)-1-(3R,4R)-1'-acetyl-3-[(S)-3-(4-fluoro-benzyl)-1-(3R,4R)-1'-acetyl-3-[(S)-3-(4-fluoro-benzyl)-1-(3R,4R)-1'-acetyl-3-[(S)-3-(4-fluoro-benzyl)-1-(3R,4R)-1'-acetyl-3-[(S)-3-(4-fluoro-benzyl)-1-(3R,4R)-1'-acetyl-3-[(S)-3-(4-fluoro-benzyl)-1-(4-fluoro-benzyl)-1-(4-fluoro-benzyl)-1-(4-fluoro-benzyl)-1-(4-fluoro-benzyl)-1-(4-fluoro-benzyl)-1-(4-fluoro-benzyl)-1-(4-fluoro-benzyl)-1-(4-fluoro-benzyl)-1-(4-fluoro-benzyl)-1-(4-fluoro-benzyl)-1-(4-fluoro-benzyl)-1-(4-fluoro-benzyl)-1-(4-fluoro-benzyl)-1-(4-fluoro-benzyl)-1-(4-fluoro-benzyl)-1-(4-fluoro-benzyl)-1-(4-fluoro-benzyl)-1-(4-fluoro-benzyl)-1-(4-fluoro-benzyl)-1-(4-fluoro-benzyl)-1-(4-fluoro-benzyl)-1-(4-fluoro-benzyl)-1-(4-fluoro-benzyl)-1-(4-fluoro-benzyl)-1-(4-fluoro-benzyl)-1-(4-fluoro-benzyl)-1-(4-fluoro-benzyl)-1-(4-fluoro-benzyl)-1-(4-fluoro-benzyl)-1-(4-fluoro-benzyl)-1-(4-fluoro-benzyl)-1-(4-fluoro-benzyl)-1-(4-fluoro-benzyl)-1-(4-fluoro-benzyl)-1-(4-fluoro-benzyl)-1-(4-fluoro-benzyl)-1-(4-fluoro-benzyl)-1-(4-fluoro-benzyl)-1-(4-fluoro-benzyl)-1-(4-fluoro-benzyl)-1-(4-fluoro-benzyl)-1-(4-fluoro-benzyl)-1-(4-fluoro-benzyl)-1-(4-fluoro-benzyl)-1-(4-fluoro-benzyl)-1-(4-fluoro-benzyl)-1-(4-fluoro-benzyl)-1-(4-fluoro-benzyl)-1-(4-fluoro-benzyl)-1-(4-fluoro-benzyl)-1-(4-fluoro-benzyl)-1-(4-fluoro-benzyl)-1-(4-fluoro-benzyl)-1-(4-fluoro-benzyl)-1-(4-fluoro-benzyl)-1-(4-fluoro-benzyl)-1-(4-fluoro-benzyl)-1-(4-fluoro-benzyl)-1-(4-fluoro-benzyl)-1-(4-fluoro-benzyl)-1-(4-fluoro-benzyl)-1-(4-fluoro-benzyl)-1-(4-fluoro-benzyl)-1-(4-fluoro-benzyl)-1-(4-fluoro-benzyl)-1-(4-fluoro-benzyl)-1-(4-fluoro-benzyl)-1-(4-fluoro-benzyl)-1-(4-fluoro-benzyl)-1-(4-fluoro-benzyl)-1-(4-fluoro-benzyl)-1-(4-fluoro-benzyl)-1-(4-fluoro-benzyl)-1-(4-fluoro-benzyl)-1-(4-fluoro-benzyl)-1-(4-fluoro-benzyl)-1-(4-fluoro-benzyl)-1-(4-fluoro-benzyl)-1-(4-fluoro-benzyl)-1-(4-fluoro-benzyl)-1-(4-fluoro-benzyl)
30
                                           piperidin-1-ylmethyl]-[1,4']bipiperidinyl-4-yl}-3-
                                            (3-acetyl-phenyl)-urea;
                    1-(3-acetyl-phenyl)-3-{(3R,4R)-3-[(S)-3-(4-fluoro-
                                          benzyl)-piperidin-1-ylmethyl]-1'-methyl-
35
                                            [1,4']bipiperidinyl-4-yl}-urea;
                    1-(3,5-diacetyl-phenyl)-3-{(3S,4R)-3-[(S)-3-(4-fluoro-
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benzyl)-piperidin-1-ylmethyl]-piperidin-4-yl}-urea;

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(3R,4R)-3-[(S)-3-(4-fluoro-benzyl)-piperidin-1-ylmethyl]-
4-[3-(3,5-diacetyl-phenyl)-ureido]-piperidine-1-
carboxylic acid t-butyl ester;
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- 5 1-(3,5-diacetyl-phenyl)-3-{(3R,4R)-1-acetyl-3-[(S)-3-(4-fluoro-benzyl)-piperidin-1-ylmethyl]-piperidin-4-yl}-urea;
- 1-(3,5-diacetyl-phenyl)-3-{(3S,4R)-3-[(S)-3-(4-fluoro10 benzyl)-piperidin-1-ylmethyl]-1-methyl-piperidin-4yl}-urea;
- 1-(3,5-diacetyl-phenyl)-3-{(3S,4R)-3-[(S)-3-(4-fluorobenzyl)-piperidin-1-ylmethyl]-1-ethyl-piperidin-4yl}-urea;
  - 1-(3,5-diacetyl-phenyl)-3-{(3R,4R)-3-[(S)-3-(4-fluoro-benzyl)-piperidin-1-ylmethyl]-1-[1,2,4]oxadiazol-3ylmethyl-piperidin-4-yl}-urea;
- 2-{(3R,4R)-3-[(S)-3-(4-Fluoro-benzyl)-piperidin-1ylmethyl]-4-[3-(3,5-diacetyl-phenyl)-ureido]piperidin-1-yl}-N-isopropyl-acetamide;

- 25 1-(3,5-diacetyl-phenyl)-3-{(3R,4R)-3-[(S)-3-(4-fluorobenzyl)-piperidin-1-ylmethyl]-1-propargyl-piperidin-4-yl}-urea;
- (3R,4R)-3-[(S)-3-(4-fluoro-benzyl)-piperidin-1-ylmethyl]30 4-{3-[3-(1-methyl-1H-tetrazol-5-yl)-phenyl]-ureido} piperidine-1-carboxylic acid methyl ester;
- 1-{(3S,4R)-3-[(S)-3-(4-fluoro-benzyl)-piperidin-1ylmethyl]-piperidin-4-yl}-5-[3-methyl-5-(1-methyl-35 1H-tetrazol-5-yl)-phenyl]-urea;
  - (3R, 4R) -3-[(S)-3-(4-fluoro-benzyl)-piperidin-1-ylmethyl]-4-{3-[3-methyl-5-(1-methyl-1H-tetrazol-5-yl)-

```
ester;
                   1 - \{(3R, 4R) - 1 - acetyl - 3 - [(S) - 3 - (4 - fluoro - benzyl) - piperidin - (4 - fluoro - benzyl) - piperidin - (4 - fluoro - benzyl) - piperidin - (5 - fluoro - benzyl) - (5 - fluoro - benzyl) - piperidin - (5 - fluoro - benzyl) - (5 - flu
    5
                                         1-ylmethyl]-piperidin-4-yl}-3-[3-methyl-5-(1-methyl-
                                         1H-tetrazol-5-yl)-phenyl]-urea;
                   1-\{(3S, 4R)-3-[(S)-3-(4-fluoro-benzyl)-piperidin-1-
                                         ylmethyl]-1-methyl-piperidin-4-yl}-3-[3-methyl-5-(1-
10
                                        methyl-1H-tetrazol-5-yl)-phenyl]-urea;
                   1-\{(3S,4R)-3-[(S)-3-(4-fluoro-benzyl)-piperidin-1-
                                         ylmethyl]-1-ethyl-piperidin-4-yl}-3-[3-methyl-5-(1-
                                        methyl-1H-tetrazol-5-yl)-phenyl]-urea;
15
                   1 - \{(3R, 4R) - 3 - [(S) - 3 - (4 - fluoro - benzyl) - piperidin - 1 - fluoro - benzyl) - fluoro - benzyl) - fluoro - benzyl - fluoro - fl
                                        ylmethyl]-1-[1,2,4]oxadiazol-3-ylmethyl-piperidin-4-
                                         y1}-3-[3-methy1-5-(1-methy1-1H-tetrazol-5-y1)-
                                         phenyl]-urea;
20
                   2-\{(3R,4R)-3-[(S)-3-(4-fluoro-benzyl)-piperidin-1-
                                        ylmethyl]-4-{3-[3-methyl-5-(1-methyl-1H-tetrazol-5-
                                         yl)-phenyl]-ureido}-piperidin-1-yl}-N-isopropyl-
                                         acetamide;
25
                   1-\{(3R, 4R)-3-[(S)-3-(4-fluoro-benzyl)-piperidin-1-
                                        ylmethyl]-1-prop-2-ynyl-piperidin-4-yl}-3-[3-methyl-
                                         5-(1-methyl-1H-tetrazol-5-yl)-phenyl]-urea;
30
                   1-\{(3S, 4R)-3-[(S)-3-(4-fluoro-benzyl)-piperidin-1-
                                        ylmethyl]-piperidin-4-yl}-3-[3-bromo-5-(1-methyl-1H-
                                         tetrazol-5-yl)-phenyl]-urea;
                    (3R, 4R) - 3 - [(S) - 3 - (4 - fluoro - benzyl) - piperidin - 1 - ylmethyl] -
35
                                         4-\{3-[3-bromo-5-(1-methyl-1H-tetrazol-5-yl)-phenyl]-
                                        ureido}-piperidine-1-carboxylic acid t-butyl ester;
```

phenyl]-ureido}-piperidine-1-carboxylic acid t-butyl

```
1-\{(3R,4R)-1-acetyl-3-[(S)-3-(4-fluoro-benzyl)-piperidin-
          1-ylmethyl]-piperidin-4-yl}-3-[3-bromo-5-(1-methyl-
         1H-tetrazol-5-yl)-phenyl]-urea;
 5
    1-\{(3S,4R)-3-[(S)-3-(4-fluoro-benzyl)-piperidin-1-
         ylmethyl]-1-methyl-piperidin-4-yl}-3-[3-bromo-5-(1-
         methyl-1H-tetrazol-5-yl)-phenyl]-urea;
    1-\{(3S,4R)-3-[(S)-3-(4-fluoro-benzyl)-piperidin-1-
10
         ylmethyl]-1-ethyl-piperidin-4-yl}-3-[3-bromo-5-(1-
         methyl-1H-tetrazol-5-yl)-phenyl]-urea;
    1-\{(3R,4R)-3-[(S)-3-(4-fluoro-benzyl)-piperidin-1-
         ylmethyl]-1-[1,2,4]oxadiazol-3-ylmethyl-piperidin-4-
15
         y1}-3-[3-bromo-5-(1-methyl-1H-tetrazol-5-yl)-
         phenyl]-urea;
    2-\{(3R,4R)-3-[(S)-3-(4-fluoro-benzyl)-piperidin-1-
         ylmethyl]-4-{3-[3-bromo-5-(1-methyl-1H-tetrazol-5-
20
         yl)-phenyl]-ureido}-piperidin-1-yl}-N-isopropyl-
         acetamide:
    1-\{(3R,4R)-3-[(S)-3-(4-fluoro-benzyl)-piperidin-1-
         ylmethyl]-1-prop-2-ynyl-piperidin-4-yl}-3-[3-bromo-
25
         5-(1-methyl-1H-tetrazol-5-yl)-phenyl]-urea;
    1-[(3R,4R)-3-[(S)-3-(4-fluoro-benzyl)-piperidin-1-
         ylmethyl]-1-(2-oxo-propyl)-piperidin-4-yl]-3-[3-(1-
         methyl-1H-tetrazol-5-yl)-phenyl]-urea;
30
    1-\{(3R,4R)-3-[(S)-3-(4-fluoro-benzyl)-piperidin-1-
         ylmethyl]-1-(2-oxo-propyl)-piperidin-4-yl}-3-(1-
         methyl-pyrazol-3-yl)-urea;
35
    1-\{(3R,4R)-3-[(S)-3-(4-fluoro-benzyl)-piperidin-1-
         ylmethyl]-1-(2-oxo-propyl)-piperidin-4-yl}-3-
         (thiazol-2-yl)-urea;
```

```
2-\{3-[(3R,4R)-3-[(S)-3-(4-fluoro-benzyl)-piperidin-1-
                        ylmethyl]-1-(2-oxo-propyl)-piperidin-4-yl]-ureido}-
                         4-methyl-thiazole-5-carboxylic acid ethyl ester;
            (3R, 4R) - 3 - [(S) - 3 - (4 - fluoro - benzyl) - piperidin - 1 - ylmethyl] -
   5
                         4-(5-acetyl-4-methyl-thiazol-2-yl)-ureido}-
                        piperidine-1-carboxylic acid methyl ester;
            (3R, 4R) - 4 - [3 - (5 - acetyl - 4 - methyl - thiazol - 2 - yl) - ureido] - 3 - (3 - yl) - (3 - 
10
                         [(S)-3-(4-fluoro-benzyl)-piperidin-1-ylmethyl]-
                        piperidine-1-carboxylic acid 3-hydroxy-2,2-dimethyl-
                        propyl ester;
            1-(5-acetyl-4-methyl-thiazol-2-yl)-3-{(3R,4R)-3-[(S)-3-
15
                         (4-fluoro-benzyl)-piperidin-1-ylmethyl]-1-propionyl-
                        piperidin-4-yl}-urea;
            1-(5-acetyl-4-methyl-thiazol-2-yl)-3-{(3R,4R)-1-}
                        cyclopropanecarbonyl-3-[(S)-3-(4-fluoro-benzyl)-
                        piperidin-1-ylmethyl]-piperidin-4-yl}-urea;
20
            1-(5-acetyl-4-methyl-thiazol-2-yl)-3-{(3R,4R)-1-}
                        cyclopentanecarbonyl-3-[(S)-3-(4-fluoro-benzyl)-
                        piperidin-1-ylmethyl]-piperidin-4-yl}-urea;
25
           1-(5-acetyl-4-methyl-thiazol-2-yl)-3-[(3R,4R)-3-[(S)-3-
                         (4-fluoro-benzyl)-piperidin-1-ylmethyl]-1-
                         (tetrahydro-pyran-4-carbonyl)-piperidin-4-yl]-urea;
30
           1-(5-acetyl-4-methyl-thiazol-2-yl)-3-[(3R,4R)-3-[(S)-3-
                        (4-fluoro-benzyl)-piperidin-1-ylmethyl]-1-(2-
                        methoxy-acetyl)-piperidin-4-yl]-urea;
           1-(5-acetyl-4-methyl-thiazol-2-yl)-3-[(3R,4R)-3-[(S)-3-
35
                         (4-fluoro-benzyl)-piperidin-1-ylmethyl]-1-(2-
                        dimethylamino-acetyl)-piperidin-4-yl]-urea;
```

```
(3R, 4R) - 4 - [3 - (5 - acetyl - 4 - methyl - thiazol - 2 - yl) - ureido] - 3 - (3R, 4R) - 4 - [3 - (5 - acetyl - 4 - methyl - thiazol - 2 - yl) - ureido] - 3 - (3R, 4R) - 4 - [3 - (5 - acetyl - 4 - methyl - thiazol - 2 - yl) - ureido] - 3 - (3R, 4R) - 4 - [3 - (5 - acetyl - 4 - methyl - thiazol - 2 - yl) - ureido] - 3 - (3R, 4R) - 4 - [3 - (5 - acetyl - 4 - methyl - thiazol - 2 - yl) - ureido] - 3 - (5 - acetyl - 4 - methyl - thiazol - 2 - yl) - ureido] - 3 - (5 - acetyl - 4 - methyl - thiazol - 2 - yl) - ureido] - 3 - (5 - acetyl - 4 - methyl - thiazol - 2 - yl) - ureido] - 3 - (5 - acetyl - 4 - methyl - thiazol - 2 - yl) - ureido] - 3 - (5 - acetyl - 4 - methyl - thiazol - 2 - yl) - ureido] - 3 - (5 - acetyl - 4 - methyl - thiazol - 2 - yl) - ureido] - 3 - (5 - acetyl - 4 - methyl - thiazol - 2 - yl) - ureido] - 3 - (5 - acetyl - 4 - methyl - thiazol - 2 - yl) - ureido] - 3 - (5 - acetyl - 4 - methyl - thiazol - 2 - yl) - ureido] - 3 - (5 - acetyl - 4 - methyl - thiazol - 2 - yl) - ureido] - 3 - (5 - acetyl - 4 - methyl - 4
                                                       [(S)-3-(4-fluoro-benzyl)-piperidin-1-ylmethyl]-
                                                     piperidine-1-carboxylic acid methylamide;
       5
                           (3R, 4R) - 4 - [3 - (5 - acetyl - 4 - methyl - thiazol - 2 - yl) - ureido] - 3 - (3 - yl) - (3 - 
                                                       [(S)-3-(4-fluoro-benzyl)-piperidin-1-ylmethyl]-
                                                     piperidine-1-carboxylic acid dimethylamide;
                           (3R, 4R) - 4 - [3 - (5 - acetyl - 4 - methyl - thiazol - 2 - yl) - ureido] - 3 - (3R, 4R) - 4 - [3 - (5 - acetyl - 4 - methyl - thiazol - 2 - yl) - ureido] - 3 - (5 - acetyl - 4 - methyl - thiazol - 2 - yl) - ureido] - 3 - (5 - acetyl - 4 - methyl - thiazol - 2 - yl) - ureido] - 3 - (5 - acetyl - 4 - methyl - thiazol - 2 - yl) - ureido] - 3 - (5 - acetyl - 4 - methyl - thiazol - 2 - yl) - ureido] - 3 - (5 - acetyl - 4 - methyl - thiazol - 2 - yl) - ureido] - 3 - (5 - acetyl - 4 - methyl - thiazol - 2 - yl) - ureido] - 3 - (5 - acetyl - 4 - methyl - thiazol - 2 - yl) - ureido] - 3 - (5 - acetyl - 4 - methyl - thiazol - 2 - yl) - ureido] - 3 - (5 - acetyl - 4 - methyl - thiazol - 2 - yl) - ureido] - 3 - (5 - acetyl - 4 - methyl - thiazol - 2 - yl) - ureido] - 3 - (5 - acetyl - 4 - methyl - 5 - acetyl - 4 - acetyl
 10
                                                       [(S)-3-(4-fluoro-benzyl)-piperidin-1-ylmethyl]-
                                                     piperidine-1-carboxylic acid ethylamide;
                          1-(5-acetyl-4-methyl-thiazol-2-yl)-3-{(3S,4R)-1-ethyl-3-}
                                                      [(S)-3-(4-fluoro-benzyl)-piperidin-1-ylmethyl]-
 15
                                                    piperidin-4-yl}-urea;
                          1-(5-acetyl-4-methyl-thiazol-2-yl)-3-{(3S,4R)-3-[(S)-3-
                                                      (4-fluoro-benzyl)-piperidin-1-ylmethyl]-1-propyl-
                                                    piperidin-4-yl}-urea;
 20
                          1-(5-acetyl-4-methyl-thiazol-2-yl)-3-{(3R,4R)-3-[(S)-3-
                                                      (4-fluoro-benzyl)-piperidin-1-ylmethyl]-1-isopropyl-
                                                    piperidin-4-yl}-urea;
 25
                         1-(5-acetyl-4-methyl-thiazol-2-yl)-3-{(3R,4R)-1-}
                                                    cyclobutyl-3-[(S)-3-(4-fluoro-benzyl)-piperidin-1-
                                                    ylmethyl]-piperidin-4-yl}-urea;
                         1-(5-acetyl-4-methyl-thiazol-2-yl)-3-{(3R,4R)-1-}
30
                                                    cyclopentyl-3-[(S)-3-(4-fluoro-benzyl)-piperidin-1-
                                                   ylmethyl]-piperidin-4-yl}-urea;
                        1-(5-acetyl-4-methyl-thiazol-2-yl)-3-[(3R,4R)-3-[(S)-3-
                                                     (4-fluoro-benzyl)-piperidin-1-ylmethyl]-1-
35
                                                     (tetrahydro-pyran-4-yl)-piperidin-4-yl]-urea;
                        1-(5-acetyl-4-methyl-thiazol-2-yl)-3-[(3R,4R)-3-[(S)-3-
                                                     (4-fluoro-benzyl)-piperidin-1-ylmethyl]-1-
```

(tetrahydro-thiopyran-4-yl)-piperidin-4-yl]-urea;

```
1-(5-acetyl-4-methyl-thiazol-2-yl)-3-{(3R,4R)-1-(1,1-
                                         dioxo-hexahydro-1\lambda 6-thiopyran-4-yl)-3-[(S)-3-(4-
                                         fluoro-benzyl)-piperidin-1-ylmethyl]-piperidin-4-
      5
                                        yl}-urea;
                    1-(5-acetyl-4-methyl-thiazol-2-yl)-3-{(3R,4R)-3-[(S)-3-
                                          (4-fluoro-benzyl)-piperidin-1-ylmethyl]-
                                          [1,4']bipiperidinyl-4-yl}-urea;
 10
                     (3R, 4R) - 4 - [3 - (5 - acetyl - 4 - methyl - thiazol - 2 - yl) - ureido] - 3 - (3R, 4R) - 4 - [3 - (5 - acetyl - 4 - methyl - thiazol - 2 - yl) - ureido] - 3 - (3R, 4R) - 4 - [3 - (5 - acetyl - 4 - methyl - thiazol - 2 - yl) - ureido] - 3 - (3R, 4R) - 4 - [3 - (5 - acetyl - 4 - methyl - thiazol - 2 - yl) - ureido] - 3 - (5 - acetyl - 4 - methyl - thiazol - 2 - yl) - ureido] - 3 - (5 - acetyl - 4 - methyl - thiazol - 2 - yl) - ureido] - 3 - (5 - acetyl - 4 - methyl - thiazol - 2 - yl) - ureido] - 3 - (5 - acetyl - 4 - methyl - thiazol - 2 - yl) - ureido] - 3 - (5 - acetyl - 4 - methyl - thiazol - 2 - yl) - ureido] - 3 - (5 - acetyl - 4 - methyl - thiazol - 2 - yl) - ureido] - 3 - (5 - acetyl - 4 - methyl - thiazol - 2 - yl) - ureido] - 3 - (5 - acetyl - 4 - methyl - 5 - acetyl - 4 - a
                                         [(S)-3-(4-fluoro-benzyl)-piperidin-1-ylmethyl]-
                                         [1,4']bipiperidinyl-1'-carboxylic acid tert-butyl
                                        ester:
 15
                    1-\{(3R,4R)-1'-acetyl-3-[(S)-3-(4-fluoro-benzyl)-1-\{(3R,4R)-1'-acetyl-3-[(S)-3-(4-fluoro-benzyl)-1-\{(3R,4R)-1'-acetyl-3-[(S)-3-(4-fluoro-benzyl)-1-\{(3R,4R)-1'-acetyl-3-[(S)-3-(4-fluoro-benzyl)-1-\{(3R,4R)-1'-acetyl-3-[(S)-3-(4-fluoro-benzyl)-1-\{(3R,4R)-1'-acetyl-3-[(S)-3-(4-fluoro-benzyl)-1-(4-fluoro-benzyl)-1-(4-fluoro-benzyl)-1-(4-fluoro-benzyl)-1-(4-fluoro-benzyl)-1-(4-fluoro-benzyl)-1-(4-fluoro-benzyl)-1-(4-fluoro-benzyl)-1-(4-fluoro-benzyl)-1-(4-fluoro-benzyl)-1-(4-fluoro-benzyl)-1-(4-fluoro-benzyl)-1-(4-fluoro-benzyl)-1-(4-fluoro-benzyl)-1-(4-fluoro-benzyl)-1-(4-fluoro-benzyl)-1-(4-fluoro-benzyl)-1-(4-fluoro-benzyl)-1-(4-fluoro-benzyl)-1-(4-fluoro-benzyl)-1-(4-fluoro-benzyl)-1-(4-fluoro-benzyl)-1-(4-fluoro-benzyl)-1-(4-fluoro-benzyl)-1-(4-fluoro-benzyl)-1-(4-fluoro-benzyl)-1-(4-fluoro-benzyl)-1-(4-fluoro-benzyl)-1-(4-fluoro-benzyl)-1-(4-fluoro-benzyl)-1-(4-fluoro-benzyl)-1-(4-fluoro-benzyl)-1-(4-fluoro-benzyl)-1-(4-fluoro-benzyl)-1-(4-fluoro-benzyl)-1-(4-fluoro-benzyl)-1-(4-fluoro-benzyl)-1-(4-fluoro-benzyl)-1-(4-fluoro-benzyl)-1-(4-fluoro-benzyl)-1-(4-fluoro-benzyl)-1-(4-fluoro-benzyl)-1-(4-fluoro-benzyl)-1-(4-fluoro-benzyl)-1-(4-fluoro-benzyl)-1-(4-fluoro-benzyl)-1-(4-fluoro-benzyl)-1-(4-fluoro-benzyl)-1-(4-fluoro-benzyl)-1-(4-fluoro-benzyl)-1-(4-fluoro-benzyl)-1-(4-fluoro-benzyl)-1-(4-fluoro-benzyl)-1-(4-fluoro-benzyl)-1-(4-fluoro-benzyl)-1-(4-fluoro-benzyl)-1-(4-fluoro-benzyl)-1-(4-fluoro-benzyl)-1-(4-fluoro-benzyl)-1-(4-fluoro-benzyl)-1-(4-fluoro-benzyl)-1-(4-fluoro-benzyl)-1-(4-fluoro-benzyl)-1-(4-fluoro-benzyl)-1-(4-fluoro-benzyl)-1-(4-fluoro-benzyl)-1-(4-fluoro-benzyl)-1-(4-fluoro-benzyl)-1-(4-fluoro-benzyl)-1-(4-fluoro-benzyl)-1-(4-fluoro-benzyl)-1-(4-fluoro-benzyl)-1-(4-fluoro-benzyl)-1-(4-fluoro-benzyl)-1-(4-fluoro-benzyl)-1-(4-fluoro-benzyl)-1-(4-fluoro-benzyl)-1-(4-fluoro-benzyl)-1-(4-fluoro-benzyl)-1-(4-fluoro-benzyl)-1-(4-fluoro-benzyl)-1-(4-fluoro-benzyl)-1-(4-fluoro-benzyl)-1-(4-fluoro-benzyl)-1-(4-fluoro-benzyl)-1-(4-fluoro-benzyl)-1-(4-fluoro-benzyl)-1-(4-fluoro-benzyl)-1-(4-fluoro-benz
                                        piperidin-1-ylmethyl]-[1,4']bipiperidinyl-4-yl}-3-
                                         (5-acetyl-4-methyl-thiazol-2-yl)-urea;
 20
                   1-(5-acetyl-4-methyl-thiazol-2-yl)-3-{(3R,4R)-3-[(S)-3-
                                         (4-fluoro-benzyl)-piperidin-1-ylmethyl]-1'-methyl-
                                         [1,4']bipiperidinyl-4-yl}-urea;
                   1-(5-acetyl-4-methyl-thiazol-2-yl)-3-{(3R,4R)-1-}
25
                                        cyclopropylmethyl-3-[(S)-3-(4-fluoro-benzyl)-
                                        piperidin-1-ylmethyl]-piperidin-4-yl}-urea;
                   1-(5-acetyl-4-methyl-thiazol-2-yl)-3-{(3R,4R)-1-}
                                        cyclobutylmethyl-3-[(S)-3-(4-fluoro-benzyl)-
30
                                       piperidin-1-ylmethyl]-piperidin-4-yl}-urea;
                  1-(5-acetyl-4-methyl-thiazol-2-yl)-3-{(3R,4R)-1-benzyl-3-
                                        [(S)-3-(4-fluoro-benzyl)-piperidin-1-ylmethyl]-
                                       piperidin-4-yl}-urea;
35
                  1-(5-acetyl-4-methyl-thiazol-2-yl)-3-{(3R,4R)-3-[(S)-3-
                                        (4-fluoro-benzyl)-piperidin-1-ylmethyl]-1-furan-2-
                                      ylmethyl-piperidin-4-yl}-urea;
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1-(5-acetyl-4-methyl-thiazol-2-yl)-3-{(3R,4R)-3-[(S)-3-
          (4-fluoro-benzyl)-piperidin-1-ylmethyl]-1-furan-3-
         vlmethyl-piperidin-4-yl}-urea;
 5
    1-(5-acetyl-4-methyl-thiazol-2-y1)-3-{(3R,4R)-3-[(S)-3-
          (4-fluoro-benzyl)-piperidin-1-ylmethyl]-1-thiophen-
         2-ylmethyl-piperidin-4-yl}-urea;
10
    1-(5-acetyl-4-methyl-thiazol-2-yl)-3-{(3R,4R)-3-[(S)-3-
          (4-fluoro-benzyl)-piperidin-1-ylmethyl]-1-thiophen-
         3-ylmethyl-piperidin-4-yl}-urea;
    1-(5-acetyl-4-methyl-thiazol-2-yl)-3-{(3R,4R)-3-[(S)-3-
          (4-fluoro-benzyl)-piperidin-1-ylmethyl]-1-imidazol-
15
         2-ylmethyl-piperidin-4-yl}-urea;
    1-(5-acetyl-4-methyl-thiazol-2-yl)-3-{(3R,4R)-3-[(S)-3-
          (4-fluoro-benzyl)-piperidin-1-ylmethyl]-1-imidazol-
20
         4-ylmethyl-piperidin-4-yl}-urea;
    1-(5-acetyl-4-methyl-thiazol-2-yl)-3-{(3R,4R)-3-[(S)-3-
          (4-fluoro-benzyl)-piperidin-1-ylmethyl]-1-thiazol-2-
         ylmethyl-piperidin-4-yl}-urea;
25
    1-(5-acetyl-4-methyl-thiazol-2-yl)-3-{(3R,4R)-3-[(S)-3-
         (4-fluoro-benzyl)-piperidin-1-ylmethyl]-1-
         [1,2,4]oxadiazol-3-ylmethyl-piperidin-4-yl}-urea;
30
    1-(5-acetyl-4-methyl-thiazol-2-yl)-3-{(3R,4R)-3-[(S)-3-
         (4-fluoro-benzyl)-piperidin-1-ylmethyl]-1-(2-
         hydroxyethyl)-piperidin-4-yl}-urea;
    1-(5-acetyl-4-methyl-thiazol-2-yl)-3-{(3R,4R)-3-[(S)-3-
35
         (4-fluoro-benzyl)-piperidin-1-ylmethyl]-1-(2-
         hydroxy-2-methylpropyl)-piperidin-4-yl}-urea;
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```
1-(5-acetyl-4-methyl-thiazol-2-yl)-3-{(3R,4R)-3-(S)-3-}
                        (4-fluoro-benzyl)-piperidin-1-ylmethyl]-1-(2-
                       hydroxy-3,3,3-trifluoropropyl)-piperidin-4-yl}-urea;
   5
           1-(5-acetyl-4-methyl-thiazol-2-yl)-3-((3R,4R)-3-((S)-3-
                        (4-fluoro-benzyl)-piperidin-1-ylmethyl]-1-(2-
                       methoxy-ethyl)-piperidin-4-yl}-urea;
            1-(5-acetyl-4-methyl-thiazol-2-yl)-3-{(3R,4R)-1-(2-yl)}
10
                       ethoxy-ethyl)-3-[(S)-3-(4-fluoro-benzyl)-piperidin-
                       1-ylmethyl]-piperidin-4-yl}-urea;
           1-(5-acetyl-4-methyl-thiazol-2-yl)-3-{(3R,4R)-1-(2-yl)}
                       ethylsulfanyl-ethyl)-3-[(S)-3-(4-fluoro-benzyl)-
15
                       piperidin-1-ylmethyl]-piperidin-4-yl}-urea;
           1-(5-acetyl-4-methyl-thiazol-2-yl)-3-{(3R,4R)-1-(2-yl)}
                       ethanesulfonyl-ethyl)-3-[(S)-3-(4-fluoro-benzyl)-
                       piperidin-1-ylmethyl]-piperidin-4-yl}-urea;
20
           1-(5-acetyl-4-methyl-thiazol-2-yl)-3-{(3R,4R)-1-(2-yl)}
                       acetoxy-ethyl)-3-[(S)-3-(4-fluoro-benzyl)-piperidin-
                       1-ylmethyl]-piperidin-4-yl}-urea;
25
           1-(5-acetyl-4-methyl-thiazol-2-yl)-3-{(3R,4R)-1-}
                       cyanomethyl-3-[(S)-3-(4-fluoro-benzyl)-piperidin-1-
                       ylmethyl]-piperidin-4-yl}-urea;
           1-(5-acetyl-4-methyl-thiazol-2-yl)-3-\{(3R,4R)-1-(2-yl)-3-(3R,4R)-1-(2-yl)-3-(3R,4R)-1-(2-yl)-3-(3R,4R)-1-(2-yl)-3-(3R,4R)-1-(2-yl)-3-(3R,4R)-1-(2-yl)-3-(3R,4R)-1-(2-yl)-3-(3R,4R)-1-(2-yl)-3-(3R,4R)-1-(2-yl)-3-(3R,4R)-1-(2-yl)-3-(3R,4R)-1-(2-yl)-3-(3R,4R)-1-(2-yl)-3-(3R,4R)-1-(2-yl)-3-(3R,4R)-1-(2-yl)-3-(3R,4R)-1-(2-yl)-3-(3R,4R)-1-(3R,4R)-1-(3R,4R)-1-(3R,4R)-1-(3R,4R)-1-(3R,4R)-1-(3R,4R)-1-(3R,4R)-1-(3R,4R)-1-(3R,4R)-1-(3R,4R)-1-(3R,4R)-1-(3R,4R)-1-(3R,4R)-1-(3R,4R)-1-(3R,4R)-1-(3R,4R)-1-(3R,4R)-1-(3R,4R)-1-(3R,4R)-1-(3R,4R)-1-(3R,4R)-1-(3R,4R)-1-(3R,4R)-1-(3R,4R)-1-(3R,4R)-1-(3R,4R)-1-(3R,4R)-1-(3R,4R)-1-(3R,4R)-1-(3R,4R)-1-(3R,4R)-1-(3R,4R)-1-(3R,4R)-1-(3R,4R)-1-(3R,4R)-1-(3R,4R)-1-(3R,4R)-1-(3R,4R)-1-(3R,4R)-1-(3R,4R)-1-(3R,4R)-1-(3R,4R)-1-(3R,4R)-1-(3R,4R)-1-(3R,4R)-1-(3R,4R)-1-(3R,4R)-1-(3R,4R)-1-(3R,4R)-1-(3R,4R)-1-(3R,4R)-1-(3R,4R)-1-(3R,4R)-1-(3R,4R)-1-(3R,4R)-1-(3R,4R)-1-(3R,4R)-1-(3R,4R)-1-(3R,4R)-1-(3R,4R)-1-(3R,4R)-1-(3R,4R)-1-(3R,4R)-1-(3R,4R)-1-(3R,4R)-1-(3R,4R)-1-(3R,4R)-1-(3R,4R)-1-(3R,4R)-1-(3R,4R)-1-(3R,4R)-1-(3R,4R)-1-(3R,4R)-1-(3R,4R)-1-(3R,4R)-1-(3R,4R)-1-(3R,4R)-1-(3R,4R)-1-(3R,4R)-1-(3R,4R)-1-(3R,4R)-1-(3R,4R)-1-(3R,4R)-1-(3R,4R)-1-(3R,4R)-1-(3R,4R)-1-(3R,4R)-1-(3R,4R)-1-(3R,4R)-1-(3R,4R)-1-(3R,4R)-1-(3R,4R)-1-(3R,4R)-1-(3R,4R)-1-(3R,4R)-1-(3R,4R)-1-(3R,4R)-1-(3R,4R)-1-(3R,4R)-1-(3R,4R)-1-(3R,4R)-1-(3R,4R)-1-(3R,4R)-1-(3R,4R)-1-(3R,4R)-1-(3R,4R)-1-(3R,4R)-1-(3R,4R)-1-(3R,4R)-1-(3R,4R)-1-(3R,4R)-1-(3R,4R)-1-(3R,4R)-1-(3R,4R)-1-(3R,4R)-1-(3R,4R)-1-(3R,4R)-1-(3R,4R)-1-(3R,4R)-1-(3R,4R)-1-(3R,4R)-1-(3R,4R)-1-(3R,4R)-1-(3R,4R)-1-(3R,4R)-1-(3R,4R)-1-(3R,4R)-1-(3R,4R)-1-(3R,4R)-1-(3R,4R)-1-(3R,4R)-1-(3R,4R)-1-(3R,4R)-1-(3R,4R)-1-(3R,4R)-1-(3R,4R)-1-(3R,4R)-1-(3R,4R)-1-(3R,4R)-1-(3R,4R)-1-(3R,4R)-1-(3R,4R)-1-(3R,4R)-1-(3R,4R)-1-(3R,4R)-1-(3R,4R)-1-(3R,4R)-1-(3R,4R)-1-(3R,4R)-1-(3R,4R)-1-(3R,4R)-1-(3R,4R)-1-(3R,4R)-1-(3R,4R)-1-(3R,4R)-1-(3R,4R)-1-(3R,4R)-1-(3R,4R)-1-(3R,4R)-1-(3R,4R)-1-(3R,4R)-1-(3R,4R)-1-(3R,4R)-1-(3R,4R)-1-(3R,4R)-1-(3R,4R)-1-(3R,4R)-1-(3R,4R)-1-(3R,4R)-1-(3R,4R)-1-(3R,4R)-1-(
30
                       dimethylamino-ethyl)-3-[(S)-3-(4-fluoro-benzyl)-
                      piperidin-1-ylmethyl]-piperidin-4-yl}-urea;
           1-(5-acetyl-4-methyl-thiazol-2-yl)-3-{(3R,4R)-1-(2-yl)}
                      diethylamino-ethyl)-3-[(S)-3-(4-fluoro-benzyl)-
35
                      piperidin-1-ylmethyl]-piperidin-4-yl}-urea;
          1-(5-acetyl-4-methyl-thiazol-2-yl)-3-[(3R,4R)-3-[(S)-3-
                       (4-fluoro-benzyl)-piperidin-1-ylmethyl]-1-(2-
                      pyrrolidin-1-yl-ethyl)-piperidin-4-yl]-urea;
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1-(5-acetyl-4-methyl-thiazol-2-yl)-3-[(3R,4R)-3-[(S)-3-
          (4-fluoro-benzyl)-piperidin-1-ylmethyl]-1-(2-
         morpholin-1-yl-ethyl)-piperidin-4-yl]-urea;
 5
    1-(5-acetyl-4-methyl-thiazol-2-yl)-3-[(3R,4R)-3-[(S)-3-
          (4-fluoro-benzyl)-piperidin-1-ylmethyl]-1-(2-pyrrol-
         1-yl-ethyl)-piperidin-4-yl]-urea;
10
    1-(5-acetyl-4-methyl-thiazol-2-yl)-3-[(3R,4R)-3-[(S)-3-
          (4-fluoro-benzyl)-piperidin-1-ylmethyl]-1-(3-oxo-
         butyl)-piperidin-4-yl]-urea;
    1-(5-acetyl-4-methyl-thiazol-2-yl)-3-[(3R,4R)-3-[(S)-3-
15
          (4-fluoro-benzyl)-piperidin-1-ylmethyl]-1-(2-methyl-
         3-oxo-butyl)-piperidin-4-yl]-urea;
    1-(5-acetyl-4-methyl-thiazol-2-yl)-3-[(3R,4R)-3-[(S)-3-
          (4-fluoro-benzyl)-piperidin-1-ylmethyl]-1-(3-
20
         hydroxypropyl)-piperidin-4-yl]-urea;
    1-(5-acetyl-4-methyl-thiazol-2-yl)-3-{(3R,4R)-3-[(S)-3-
          (4-fluoro-benzyl)-piperidin-1-ylmethyl]-1-[(S)-3-
         hydroxy-2-methylpropyl]-piperidin-4-yl}-urea;
25
    1-(5-acetyl-4-methyl-thiazol-2-yl)-3-{(3R,4R)-3-[(S)-3-
         (4-fluoro-benzyl)-piperidin-1-ylmethyl]-1-[(R)-3-
         hydroxy-2-methylpropyl]-piperidin-4-yl}-urea;
30
    1-(5-acetyl-4-methyl-thiazol-2-yl)-3-{(3R,4R)-1-(3,3-
         dimethyl-2-oxo-butyl)-3-[(S)-3-(4-fluoro-benzyl)-
         piperidin-1-ylmethyl]-piperidin-4-yl}-urea;
    2-\{(3R,4R)-4-[3-(5-acetyl-4-methyl-thiazol-2-yl)-ureido]-
35
         3-[(S)-3-(4-fluoro-benzyl)-piperidin-1-ylmethyl]-
         piperidin-1-yl}-N-methyl-acetamide;
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2-\{(3R,4R)-4-[3-(5-acetyl-4-methyl-thiazol-2-yl)-ureido]-
                                        3-[(S)-3-(4-fluoro-benzyl)-piperidin-1-ylmethyl]-
                                        piperidin-1-yl}-N-isopropyl-acetamide;
                   2-{(3R, 4R)-4-[3-(5-acetyl-4-methyl-thiazol-2-yl)-ureido]-}
                                        3-[(S)-3-(4-fluoro-benzyl)-piperidin-1-ylmethyl]-
                                       piperidin-1-yl}-N-tert-butyl-acetamide;
                   2-\{(3R,4R)-4-[3-(5-acetyl-4-methyl-thiazol-2-yl)-ureido]-
 10
                                        3-[(S)-3-(4-fluoro-benzyl)-piperidin-1-ylmethyl]-
                                       piperidin-1-yl}-N, N-dimethyl-acetamide;
                   1-(5-acetyl-4-methyl-thiazol-2-yl)-3-[(3R,4R)-3-[(S)-3-
                                        (4-fluoro-benzyl)-piperidin-1-ylmethyl]-1-(2-oxo-
15
                                       cyclopentyl)-piperidin-4-yl]-urea;
                   1-(5-acetyl-4-methyl-thiazol-2-yl)-3-{(3R,4R)-1-allyl-3-}
                                        [(S)-3-(4-fluoro-benzyl)-piperidin-1-ylmethyl]-
                                       piperidin-4-yl}-urea;
20
                   1-(5-acetyl-4-methyl-thiazol-2-yl)-3-{(3R,4R)-3-[(S)-3-
                                        (4-fluoro-benzyl)-piperidin-1-ylmethyl]-1-prop-2-
                                      ynyl-piperidin-4-yl}-urea;
25
                  1-\{(3R,4S)-4-[(S)-3-(4-fluoro-benzyl)-piperidin-1-
                                      ylmethyl]-piperidin-3-yl}-3-(4-fluoro-phenyl)-urea;
                  1 - \{(3R, 4S) - 1 - acetyl - 4 - [(S) - 3 - (4 - fluoro - benzyl) - piperidin - (4 - fluoro - benzyl) - piperidin - (4 - fluoro - benzyl) - piperidin - (5 - fluoro - benzyl) - (5 - fluoro - benzyl) - piperidin - (5 - fluoro - benzyl) - (5 - fluoro - benzyl
                                       1-ylmethyl]-piperidin-3-yl}-3-(4-fluoro-phenyl)-
30
                                      urea;
                  1-[(3R,4S)-4-[(S)-3-(4-fluoro-benzyl)-piperidin-1-
                                      ylmethyl]-1-(2-methoxy-acetyl)-piperidin-3-yl]-3-(4-
                                      fluoro-phenyl)-urea;
35
                  1-\{(3R,4S)-1-cyclopropylmethyl-4-[(S)-3-(4-fluoro-1-(3R,4S))-1-cyclopropylmethyl-4-[(S)-3-(4-fluoro-1-(3R,4S))-1-cyclopropylmethyl-4-[(S)-3-(4-fluoro-1-(3R,4S))-1-cyclopropylmethyl-4-[(S)-3-(4-fluoro-1-(3R,4S))-1-cyclopropylmethyl-4-[(S)-3-(4-fluoro-1-(3R,4S))-1-cyclopropylmethyl-4-[(S)-3-(4-fluoro-1-(3R,4S))-1-cyclopropylmethyl-4-[(S)-3-(4-fluoro-1-(3R,4S))-1-cyclopropylmethyl-4-[(S)-3-(4-fluoro-1-(3R,4S))-1-cyclopropylmethyl-4-[(S)-3-(4-fluoro-1-(3R,4S))-1-cyclopropylmethyl-4-[(S)-3-(4-fluoro-1-(3R,4S))-1-cyclopropylmethyl-4-[(S)-3-(4-fluoro-1-(3R,4S))-1-cyclopropylmethyl-4-[(S)-3-(4-fluoro-1-(3R,4S))-1-cyclopropylmethyl-4-[(S)-3-(4-fluoro-1-(3R,4S))-1-cyclopropylmethyl-4-[(S)-3-(4-fluoro-1-(3R,4S))-1-cyclopropylmethyl-4-[(S)-3-(4-fluoro-1-(3R,4S))-1-cyclopropylmethyl-4-[(S)-3-(4-fluoro-1-(3R,4S))-1-cyclopropylmethyl-4-[(S)-3-(4-fluoro-1-(3R,4S))-1-cyclopropylmethyl-4-[(S)-3-(4-fluoro-1-(3R,4S))-1-cyclopropylmethyl-4-[(S)-3-(4-fluoro-1-(3R,4S))-1-cyclopropylmethyl-4-[(S)-3-(4-fluoro-1-(3R,4S))-1-cyclopropylmethyl-4-[(S)-3-(4-fluoro-1-(3R,4S))-1-cyclopropylmethyl-4-[(S)-3-(4-fluoro-1-(3R,4S))-1-cyclopropylmethyl-4-[(S)-3-(4-fluoro-1-(3R,4S))-1-cyclopropylmethyl-4-[(S)-3-(4-fluoro-1-(3R,4S))-1-cyclopropylmethyl-4-[(S)-3-(4-fluoro-1-(3R,4S))-1-cyclopropylmethyl-4-[(S)-3-(4-fluoro-1-(3R,4S))-1-cyclopropylmethyl-4-[(S)-3-(4-fluoro-1-(3R,4S))-1-cyclopropylmethyl-4-[(S)-3-(4-fluoro-1-(3R,4S))-1-cyclopropylmethyl-4-[(S)-3-(4-fluoro-1-(3R,4S))-1-cyclopropylmethyl-4-[(S)-3-(4-fluoro-1-(3R,4S))-1-cyclopropylmethyl-4-[(S)-3-(4-fluoro-1-(3R,4S))-1-cyclopropylmethyl-4-[(S)-3-(4-fluoro-1-(3R,4S))-1-cyclopropylmethyl-4-[(S)-3-(4-fluoro-1-(3R,4S))-1-cyclopropylmethyl-4-[(S)-3-(4-fluoro-1-(3R,4S))-1-cyclopropylmethyl-4-[(S)-3-(4-fluoro-1-(3R,4S))-1-cyclopropylmethyl-4-[(S)-3-(4-fluoro-1-(3R,4S))-1-cyclopropylmethyl-4-[(S)-3-(4-fluoro-1-(3R,4S))-1-cyclopropylmethyl-4-(3R,4S)-1-cyclopropylmethyl-4-[(S)-3-(4-fluoro-1-(3R,4S))-1-cyclopropylmethyl-4-[(S]-3-(4-fluoro-1-(3R,4S))-1-cyclopropylmethyl-4-[(S]-3-(4-fluoro-1-(3R,4S))-1-c
                                     benzyl)-piperidin-1-ylmethyl]-piperidin-3-yl}-3-(4-
                                      fluoro-phenyl)-urea:
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1-[(3R, 4S)-4-[(S)-3-(4-fluoro-benzyl)-piperidin-1-
          ylmethyl]-1-(2-hydroxy-ethyl)-piperidin-3-yl]-3-(4-
          fluoro-phenyl)-urea;
     1-(3-acetyl-phenyl)-3-[(3R,4S)-4-[(S)-3-(4-fluoro-
 5
          benzyl)-piperidin-1-ylmethyl]-1-(2-methoxy-acetyl)-
          piperidin-3-yl]-urea;
     1-(3-acetyl-phenyl)-3-\{(3R,4S)-1-(2-dimethylamino-
10
          acetyl)-4-[(S)-3-(4-fluoro-benzyl)-piperidin-1-
          ylmethyl]-piperidin-3-yl}-urea;
     (3R, 4S) - 3 - [3 - (3 - acetyl - phenyl) - ureido] - 4 - [(S) - 3 - (4 - acetyl - phenyl)]
          fluoro-benzyl)-piperidin-1-ylmethyl]-piperidine-1-
15
          carboxylic acid ethylamide;
     1-(3-acetyl-phenyl)-3-[(3R,4S)-4-[(S)-3-(4-fluoro-
          benzyl)-piperidin-1-ylmethyl]-1-(2-hydroxy-ethyl)-
          piperidin-3-yl]-urea;
20
     (3R, 4S) - 4 - [(S) - 3 - (4 - fluoro - benzyl) - piperidin - 1 - ylmethyl] -
          3-\{3-[3-(1-methyl-1H-tetrazol-5-yl)-phenyl]-ureido\}-
          piperidine-1-carboxylic acid tert-butyl ester;
25
    1-\{(3R,4S)-1-acetyl-4-[(S)-3-(4-fluoro-benzyl)-piperidin-
          1-ylmethyl]-piperidin-3-yl}-3-[3-(1-methyl-1H-
          tetrazol-5-yl)-phenyl]-urea;
    1-\{(3R,4S)-1-(2,2-dimethyl-propionyl)-4-[(S)-3-(4-fluoro-
30
          benzyl)-piperidin-1-ylmethyl]-piperidin-3-yl}-3-[3-
          (1-methyl-1H-tetrazo1-5-yl)-phenyl]-urea;
    1-\{(3R,4S)-4-[(S)-3-(4-fluoro-benzyl)-piperidin-1-
          ylmethyl]-1-methyl-piperidin-3-yl}-3-[3-(1-methyl-
35
          1H-tetrazol-5-yl)-phenyl]-urea;
    1-\{(3R, 4S)-4-[(S)-3-(4-fluoro-benzyl)-piperidin-1-
          ylmethyl]-piperidin-3-yl}-3-[3-methyl-5-(1-methyl-
```

1H-tetrazol-5-yl)-phenyl]-urea;

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1-[(3R,4S)-4-[(S)-3-(4-fluoro-benzyl)-piperidin-1-
                       ylmethyl]-1-(2-hydroxy-ethyl)-piperidin-3-yl]-3-[3-
                       methyl-5-(1-methyl-1H-tetrazol-5-yl)-phenyl]-urea;
  5
           1-[3-bromo-5-(1-methyl-1H-tetrazol-5-yl)-phenyl]-3-
                        \{(3R, 4S) - 4 - [(S) - 3 - (4 - fluoro - benzyl) - piperidin - 1 - fluoro - benzyl) - fluoro - fluoro - benzyl) - fluoro - fluoro
                       ylmethy1]-piperidin-3-yl}-urea;
10
           1-[3-bromo-5-(1-methyl-1H-tetrazol-5-yl)-phenyl]-3-
                        [(3R, 4S)-4-[(S)-3-(4-fluoro-benzyl)-piperidin-1-
                       ylmethy1]-1-(2-hydroxy-ethyl)-piperidin-3-yl]-urea;
           1 - \{(3R, 4S) - 1 - acetyl - 4 - [(S) - 3 - (4 - fluoro - benzyl) - piperidin-
15
                        1-ylmethyl]-piperidin-3-yl}-3-[3-(5-methyl-tetrazol-
                       1-yl)-phenyl]-urea;
           1-\{(3R,4S)-1-acetyl-4-[(S)-3-(4-fluoro-benzyl)-piperidin-
                       1-ylmethyl]-piperidin-3-yl}-3-(1-methyl-pyrazol-3-
20
                       yl)-urea;
           1-\{(3R,4S)-1-acetyl-4-[(S)-3-(4-fluoro-benzyl)-piperidin-
                       1-ylmethyl]-piperidin-3-yl}-3-(thiazol-2-yl)-urea;
25
           2-(3-(3R,4S)-1-acetyl-4-(S)-3-(4-fluoro-benzyl)-
                       piperidin-1-ylmethyl]-piperidin-3-yl}-ureido)-4-
                       methyl-thiazole-5-carboxylic acid ethyl ester;
           30
                        (4-fluoro-benzyl)-piperidin-1-ylmethyl]-piperidin-3-
                       yl}-urea;
           (3R, 4S) -3-[3-(5-acetyl-4-methyl-thiazol-2-yl)-ureido]-4-
                       [(S)-3-(4-fluoro-benzyl)-piperidin-1-ylmethyl]-
35
                       piperidine-1-carboxylic acid methyl ester;
           (3R, 4S) - 3 - [3 - (5 - acetyl - 4 - methyl - thiazol - 2 - yl) - ureidol - 4 -
                       [(S)-3-(4-fluoro-benzyl)-piperidin-1-ylmethyl]-
                       piperidine-1-carboxylic acid tert-butyl ester;
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1 - \{(3R, 4S) - 1 - acetyl - 4 - [(S) - 3 - (4 - fluoro - benzyl) - piperidin-
          1-ylmethyl]-piperidin-3-yl}-3-(5-acetyl-4-methyl-
          thiazol-2-yl)-urea;
 5
    1-(5-acetyl-4-methyl-thiazol-2-yl)-3-{(3R,4S)-4-[(S)-3-
          (4-fluoro-benzyl)-piperidin-1-ylmethyl]-1-propionyl-
          piperidin-3-yl}-urea;
10
    1-(5-acetyl-4-methyl-thiazol-2-yl)-3-{(3R,4S)-4-[(S)-3-4]}
          (4-fluoro-benzyl)-piperidin-1-ylmethyl]-1-(2-methyl-
          propionyl)-piperidin-3-yl}-urea;
    1-(5-acety1-4-methy1-thiazo1-2-y1)-3-{(3R,4S)-1-(2,2-1)}
15
          dimethyl-propionyl)-4-[(S)-3-(4-fluoro-benzyl)-
          piperidin-1-ylmethyl]-piperidin-3-yl}-urea;
    1-(5-acetyl-4-methyl-thiazol-2-yl)-3-{(3R,4S)-1-}
          cyclopropanecarbonyl-4-[(S)-3-(4-fluoro-benzyl)-
20
          piperidin-1-ylmethyl]-piperidin-3-yl}-urea;
    1-(5-acetyl-4-methyl-thiazol-2-yl)-3-{(3R,4S)-1-}
          cyclobutanecarbonyl-4-[(S)-3-(4-fluoro-benzyl)-
         piperidin-1-ylmethyl]-piperidin-3-yl}-urea;
25
    1-(5-acetyl-4-methyl-thiazol-2-yl)-3-{(3R,4S)-1-}
         cyclopentanecarbonyl-4-[(S)-3-(4-fluoro-benzyl)-
         piperidin-1-ylmethyl]-piperidin-3-yl}-urea;
30
    1-(5-acetyl-4-methyl-thiazol-2-yl)-3-{(3R,4S)-1-}
         cyclohexanecarbonyl-4-[(S)-3-(4-fluoro-benzyl)-
         piperidin-1-ylmethyl]-piperidin-3-yl}-urea;
    1-(5-acetyl-4-methyl-thiazol-2-yl)-3-{(3R,4S)-4-[(S)-3-4]}
35
          (4-fluoro-benzyl)-piperidin-1-ylmethyl]-1-
          (tetrahydro-pyran-4-carbonyl)-piperidin-3-yl}-urea;
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1-(5-acetyl-4-methyl-thiazol-2-yl)-3-{(3R,4S)-4-[(S)-3-
          (4-fluoro-benzyl)-piperidin-1-ylmethyl]-1-(2-
          methoxy-acetyl)-piperidin-3-yl}-urea;
```

- 5 1-(5-acetyl-4-methyl-thiazol-2-yl)-3-{(3R,4S)-1-(2-dimethylamino-acetyl)-4-[(S)-3-(4-fluoro-benzyl)-piperidin-1-ylmethyl]-piperidin-3-yl}-urea;
- (3R,4S)-3-[3-(5-acetyl-4-methyl-thiazol-2-yl)-ureido]-410 [(S)-3-(4-fluoro-benzyl)-piperidin-1-ylmethyl] piperidine-1-carboxylic acid methylamide;
- (3R,4S)-3-[3-(5-acetyl-4-methyl-thiazol-2-yl)-ureido]-4[(S)-3-(4-fluoro-benzyl)-piperidin-1-ylmethyl]piperidine-1-carboxylic acid ethylamide;
  - (3R,4S)-3-[3-(5-acetyl-4-methyl-thiazol-2-yl)-ureido]-4[(S)-3-(4-fluoro-benzyl)-piperidin-1-ylmethyl]piperidine-1-carboxylic acid propylamide;
  - (3R,4S)-3-[3-(5-acetyl-4-methyl-thiazol-2-yl)-ureido]-4[(S)-3-(4-fluoro-benzyl)-piperidin-1-ylmethyl]piperidine-1-carboxylic acid isopropylamide;

- 25 (3R,4S)-3-[3-(5-acetyl-4-methyl-thiazol-2-yl)-ureido]-4[(S)-3-(4-fluoro-benzyl)-piperidin-1-ylmethyl]piperidine-1-carboxylic acid allylamide;
- (3R,4S)-3-[3-(5-acetyl-4-methyl-thiazol-2-yl)-ureido]-430 [(S)-3-(4-fluoro-benzyl)-piperidin-1-ylmethyl] piperidine-1-carboxylic acid (5-acetyl-4-methyl thiazol-2-yl)-amide;
- 1-(5-acetyl-4-methyl-thiazol-2-yl)-3-{(3R,4S)-4-[(S)-3-(4-fluoro-benzyl)-piperidin-1-ylmethyl]-1-methylpiperidin-3-yl}-urea;

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1-(5-acetyl-4-methyl-thiazol-2-yl)-3-{(3R,4S)-4-[(S)-3-4]}
                        (4-fluoro-benzyl)-piperidin-1-ylmethyl]-
                        [1,4']bipiperidinyl-3-yl}-urea;
   5
           1-\{(3R,4S)-1'-acetyl-4-[(S)-3-(4-fluoro-benzyl)-4-[(S)-3-(4-fluoro-benzyl)-4-[(S)-3-(4-fluoro-benzyl)-4-[(S)-3-(4-fluoro-benzyl)-4-[(S)-3-(4-fluoro-benzyl)-4-[(S)-3-(4-fluoro-benzyl)-4-[(S)-3-(4-fluoro-benzyl)-4-[(S)-3-(4-fluoro-benzyl)-4-[(S)-3-(4-fluoro-benzyl)-4-[(S)-3-(4-fluoro-benzyl)-4-[(S)-3-(4-fluoro-benzyl)-4-[(S)-3-(4-fluoro-benzyl)-4-[(S)-3-(4-fluoro-benzyl)-4-[(S)-3-(4-fluoro-benzyl)-4-[(S)-3-(4-fluoro-benzyl)-4-[(S)-3-(4-fluoro-benzyl)-4-[(S)-3-(4-fluoro-benzyl)-4-[(S)-3-(4-fluoro-benzyl)-4-[(S)-3-(4-fluoro-benzyl)-4-[(S)-3-(4-fluoro-benzyl)-4-[(S)-3-(4-fluoro-benzyl)-4-[(S)-3-(4-fluoro-benzyl)-4-[(S)-3-(4-fluoro-benzyl)-4-[(S)-3-(4-fluoro-benzyl)-4-[(S)-3-(4-fluoro-benzyl)-4-[(S)-3-(4-fluoro-benzyl)-4-[(S)-3-(4-fluoro-benzyl)-4-[(S)-3-(4-fluoro-benzyl)-4-[(S)-3-(4-fluoro-benzyl)-4-[(S)-3-(4-fluoro-benzyl)-4-[(S)-3-(4-fluoro-benzyl)-4-[(S)-3-(4-fluoro-benzyl)-4-[(S)-3-(4-fluoro-benzyl)-4-[(S)-3-(4-fluoro-benzyl)-4-[(S)-3-(4-fluoro-benzyl)-4-[(S)-3-(4-fluoro-benzyl)-4-[(S)-3-(4-fluoro-benzyl)-4-[(S)-3-(4-fluoro-benzyl)-4-[(S)-3-(4-fluoro-benzyl)-4-[(S)-3-(4-fluoro-benzyl)-4-[(S)-3-(4-fluoro-benzyl)-4-[(S)-3-(4-fluoro-benzyl)-4-[(S)-3-(4-fluoro-benzyl)-4-[(S)-3-(4-fluoro-benzyl)-4-[(S)-3-(4-fluoro-benzyl)-4-[(S)-3-(4-fluoro-benzyl)-4-[(S)-3-(4-fluoro-benzyl)-4-[(S)-3-(4-fluoro-benzyl)-4-[(S)-3-(4-fluoro-benzyl)-4-[(S)-3-(4-fluoro-benzyl)-4-[(S)-3-(4-fluoro-benzyl)-4-[(S)-3-(4-fluoro-benzyl)-4-[(S)-3-(4-fluoro-benzyl)-4-[(S)-3-(4-fluoro-benzyl)-4-[(S)-3-(4-fluoro-benzyl)-4-[(S)-3-(4-fluoro-benzyl)-4-[(S)-3-(4-fluoro-benzyl)-4-[(S)-3-(4-fluoro-benzyl)-4-[(S)-3-(4-fluoro-benzyl)-4-[(S)-3-(4-fluoro-benzyl)-4-[(S)-3-(4-fluoro-benzyl)-4-[(S)-3-(4-fluoro-benzyl)-4-[(S)-3-(4-fluoro-benzyl)-4-[(S)-3-(4-fluoro-benzyl)-4-[(S)-3-(4-fluoro-benzyl)-4-[(S)-3-(4-fluoro-benzyl)-4-[(S)-3-(4-fluoro-benzyl)-4-[(S)-3-(4-fluoro-benzyl)-4-[(S)-4-[(S)-4-[(S)-4-[(S)-4-[(S)-4-[(S)-4-[(S)-4-[(S)-4-[(S)-4-[(S)-4-[(S)-4-[(S)-4-[(S)-4-[(S)-4-[(S)-4-[(S)-4-[(S)-4-[(S)-4-[(S)-4-[(S)-4-[(S)-4-[(S)-4-[(S)-4-[(S)-4-[(S)-4-[(S)-4-[(S
                        piperidin-1-ylmethyl]-[1,4']bipiperidinyl-3-yl}-3-
                        (5-acetyl-4-methyl-thiazol-2-yl)-urea;
           1-(5-acetyl-4-methyl-thiazol-2-yl)-3-{(3R,4S)-4-[(S)-3-
10
                        (4-fluoro-benzyl)-piperidin-1-ylmethyl]-1'-methyl-
                        [1,4']bipiperidinyl-3-yl}-urea;
           1-(5-acetyl-4-methyl-thiazol-2-yl)-3-{(3R,4S)-1-}
                        cyclopropylmethyl-4-[(S)-3-(4-fluoro-benzyl)-
15
                       piperidin-1-ylmethyl]-piperidin-3-yl}-urea;
           1-(5-acetyl-4-methyl-thiazol-2-yl)-3-[(3R,4S)-4-[(S)-3-
                        (4-fluoro-benzyl)-piperidin-1-ylmethyl]-1-
                        (tetrahydro-pyran-2-ylmethyl)-piperidin-3-yl]-urea;
20
           1-(5-acetyl-4-methyl-thiazol-2-yl)-3-{(3R,4S)-4-(S)-3-}
                        (4-fluoro-benzyl)-piperidin-1-ylmethyl]-1-furan-2-
                       ylmethyl-piperidin-3-yl}-urea;
25
           1-(5-acetyl-4-methyl-thiazol-2-yl)-3-{(3R,4S)-4-[(S)-3-
                        (4-fluoro-benzyl)-piperidin-1-ylmethyl]-1-furan-3-
                       ylmethyl-piperidin-3-yl}-urea;
           1-(5-acetyl-4-methyl-thiazol-2-yl)-3-{(3R,4S)-4-[(S)-3-
30
                        (4-fluoro-benzyl)-piperidin-1-ylmethyl]-1-
                        [1,2,4]oxadiazol-3-ylmethyl-piperidin-3-yl}-urea;
           1-(5-acetyl-4-methyl-thiazol-2-yl)-3-{(3R,4S)-4-[(S)-3-
                        (4-fluoro-benzyl)-piperidin-1-ylmethyl]-1-(2-fluoro-
35
                       ethyl)-piperidin-3-yl}-urea;
           1-(5-acetyl-4-methyl-thiazol-2-yl)-3-{(3R,4S)-4-[(S)-3-
                       (4-fluoro-benzyl)-piperidin-1-ylmethyl]-1-(2-
                      hydroxy-ethyl)-piperidin-3-yl}-urea;
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1-(5-acetyl-4-methyl-thiazol-2-yl)-3-{(3R,4S)-1-(2-yl)}
                         ethanesulfonyl-ethyl)-4-[(S)-3-(4-fluoro-benzyl)-
                         piperidin-1-ylmethyl]-piperidin-3-yl}-urea;
   5
            1-(5-acetyl-4-methyl-thiazol-2-yl)-3-{(3R,4S)-1-}
                         cyanomethy1-4-[(S)-3-(4-fluoro-benzy1)-piperidin-1-
                         ylmethyl]-piperidin-3-yl}-urea;
10
            1-(5-acetyl-4-methyl-thiazol-2-yl)-3-{(3R,4S)-4-[(S)-3-4]}
                         (4-fluoro-benzyl)-piperidin-1-ylmethyl]-1-(2-
                         hydroxy-propyl)-piperidin-3-yl}-urea;
            1-(5-acetyl-4-methyl-thiazol-2-yl)-3-{(3R,4S)-4-[(S)-3-
15
                         (4-fluoro-benzyl)-piperidin-1-ylmethyl]-1-[(S)-2-
                        hydroxy-2-methyl-propyl]-piperidin-3-yl}-urea;
            1-(5-acetyl-4-methyl-thiazol-2-yl)-3-{(3R,4S)-4-[(S)-3-
                         (4-fluoro-benzyl)-piperidin-1-ylmethyl]-1-[(R)-2-
20
                        hydroxy-2-methyl-propyl]-piperidin-3-yl}-urea;
            1-(5-acetyl-4-methyl-thiazol-2-yl)-3-{(3R,4S)-4-[(S)-3-
                         (4-fluoro-benzyl)-piperidin-1-ylmethyl]-1-(2-oxo-
                        propy1)-piperidin-3-y1}-urea;
25
            2-\{(3R,4S)-3-[3-(5-acetyl-4-methyl-thiazol-2-yl)-ureido]-
                        4-[(S)-3-(4-fluoro-benzyl)-piperidin-1-ylmethyl]-
                        piperidin-1-yl}-N, N-dimethyl-acetamide;
30
            1-\{(3R,4S)-4-[(S)-3-(4-fluoro-benzyl)-piperidin-1-
                        ylmethyl]-1-isobutyryl-piperidin-3-yl}-3-[3-(1-
                        methyl-1H-tetrazol-5-yl)-phenyl]-urea;
            1-\{(3R,4S)-1-benzoyl-4-[(S)-3-(4-fluoro-benzyl)-1-\{(3R,4S)-1-benzyl)-1-\{(3R,4S)-1-benzyl-4-[(S)-3-(4-fluoro-benzyl)-1-\{(3R,4S)-1-benzyl-4-[(S)-3-(4-fluoro-benzyl)-1-\{(3R,4S)-1-benzyl-4-[(S)-3-(4-fluoro-benzyl)-1-benzyl-4-[(S)-3-(4-fluoro-benzyl)-1-benzyl-4-[(S)-3-(4-fluoro-benzyl)-1-benzyl-4-[(S)-3-(4-fluoro-benzyl)-1-benzyl-4-[(S)-3-(4-fluoro-benzyl)-1-benzyl-4-[(S)-3-(4-fluoro-benzyl)-1-benzyl-4-[(S)-3-(4-fluoro-benzyl)-1-benzyl-4-[(S)-3-(4-fluoro-benzyl)-1-benzyl-4-[(S)-3-(4-fluoro-benzyl)-1-benzyl-4-[(S)-3-(4-fluoro-benzyl)-1-benzyl-4-[(S)-3-(4-fluoro-benzyl)-4-[(S)-3-(4-fluoro-benzyl)-4-[(S)-3-(4-fluoro-benzyl)-4-[(S)-3-(4-fluoro-benzyl)-4-[(S)-3-(4-fluoro-benzyl)-4-[(S)-3-(4-fluoro-benzyl)-4-[(S)-3-(4-fluoro-benzyl)-4-[(S)-3-(4-fluoro-benzyl)-4-[(S)-3-(4-fluoro-benzyl)-4-[(S)-3-(4-fluoro-benzyl)-4-[(S)-3-(4-fluoro-benzyl)-4-[(S)-3-(4-fluoro-benzyl)-4-[(S)-3-(4-fluoro-benzyl)-4-[(S)-3-(4-fluoro-benzyl)-4-[(S)-3-(4-fluoro-benzyl)-4-[(S)-3-(4-fluoro-benzyl)-4-[(S)-3-(4-fluoro-benzyl)-4-[(S)-3-(4-fluoro-benzyl)-4-[(S)-3-(4-fluoro-benzyl)-4-[(S)-3-(4-fluoro-benzyl)-4-[(S)-3-(4-fluoro-benzyl)-4-[(S)-3-(4-fluoro-benzyl)-4-[(S)-3-(4-fluoro-benzyl)-4-[(S)-3-(4-fluoro-benzyl)-4-[(S)-3-(4-fluoro-benzyl)-4-[(S)-3-(4-fluoro-benzyl)-4-[(S)-3-(4-fluoro-benzyl)-4-[(S)-3-(4-fluoro-benzyl)-4-[(S)-3-(4-fluoro-benzyl)-4-[(S)-3-(4-fluoro-benzyl)-4-[(S)-3-(4-fluoro-benzyl)-4-[(S)-3-(4-fluoro-benzyl)-4-[(S)-3-(4-fluoro-benzyl)-4-[(S)-3-(4-fluoro-benzyl)-4-[(S)-3-(4-fluoro-benzyl)-4-[(S)-3-(4-fluoro-benzyl)-4-[(S)-3-(4-fluoro-benzyl)-4-[(S)-3-(4-fluoro-benzyl)-4-[(S)-3-(4-fluoro-benzyl)-4-[(S)-3-(4-fluoro-benzyl)-4-[(S)-3-(4-fluoro-benzyl)-4-[(S)-3-(4-fluoro-benzyl)-4-[(S)-3-(4-fluoro-benzyl)-4-[(S)-3-(4-fluoro-benzyl)-4-[(S)-3-(4-fluoro-benzyl)-4-[(S)-3-(4-fluoro-benzyl)-4-[(S)-3-(4-fluoro-benzyl)-4-[(S)-3-(4-fluoro-benzyl)-4-[(S)-3-(4-fluoro-benzyl)-4-[(S)-4-(4-fluoro-benzyl)-4-[(S)-4-(4-fluoro-benzyl)-4-[(S)-4-(4-fluoro-benzyl)-4-[(S)-4-(4-fluoro-benzyl)-4-[(S)-4-(4-fluoro-benzyl)-4-[(S)-4-(4-fluoro-benzyl)-4-[(S)-4-(4-fluo
35
                        piperidin-1-ylmethyl]-piperidin-3-yl}-3-[3-(1-
                        methyl-1H-tetrazol-5-yl)-phenyl]-urea;
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1-\{(3R,4S)-4-[(S)-3-(4-fluoro-benzyl)-piperidin-1-
          ylmethyl]-1-(propane-2-sulfonyl)-piperidin-3-yl}-3-
          [3-(1-methyl-1H-tetrazol-5-yl)-phenyl]-urea;
    1-\{(3R,4S)-4-[(S)-3-(4-fluoro-benzyl)-piperidin-1-
          ylmethyl]-piperidin-3-yl}-3-(2-morpholin-4-yl-
          ethyl)-urea;
     (3R,4S)-4-[(S)-3-(4-fluoro-benzyl)-piperidin-1-ylmethyl]-
10
          3-[3-(2-morpholin-4-yl-ethyl)-ureido]-piperidine-1-
          carboxylic acid methyl ester;
    1 - \{(3R, 4S) - 1 - acetyl - 4 - [(S) - 3 - (4 - fluoro - benzyl) - piperidin-
          1-ylmethyl]-piperidin-3-yl}-3-(2-morpholin-4-yl-
15
          ethyl)-urea;
    1-\{(3R,4S)-4-[(S)-3-(4-fluoro-benzyl)-piperidin-1-
          ylmethyl]-1-propionyl-piperidin-3-yl}-3-(2-
          morpholin-4-yl-ethyl)-urea;
20
    1-\{(3R,4S)-1-(2,2-dimethyl-propionyl)-4-[(S)-3-(4-fluoro-1)]
          benzyl)-piperidin-1-ylmethyl]-piperidin-3-yl}-3-(2-
          morpholin-4-yl-ethyl)-urea;
25
    1-\{(3R,4S)-1-cyclobutanecarbonyl-4-[(S)-3-(4-fluoro-1)]
          benzyl)-piperidin-1-ylmethyl]-piperidin-3-yl}-3-(2-
          morpholin-4-yl-ethyl)-urea;
    1-\{(3R,4S)-4-[(S)-3-(4-fluoro-benzyl)-piperidin-1-
30
          ylmethyl]-1-(tetrahydro-pyran-4-carbonyl)-piperidin-
          3-y1}-3-(2-morpholin-4-yl-ethyl)-urea;
    1-\{(3R,4S)-4-[(S)-3-(4-fluoro-benzyl)-piperidin-1-
         ylmethyl]-1-(2-methoxy-acetyl)-piperidin-3-yl}-3-(2-
35
         morpholin-4-yl-ethyl)-urea;
    (3R, 4S) - 4 - [(S) - 3 - (4 - fluoro - benzyl) - piperidin - 1 - ylmethyl] -
          3-[3-(2-morpholin-4-yl-ethyl)-ureido]-piperidine-1-
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carboxylic acid dimethylamide;

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(3R, 4S) - 4 - [(S) - 3 - (4 - fluoro - benzyl) - piperidin - 1 - ylmethyl] -
                           3-[3-(2-morpholin-4-yl-ethyl)-ureido]-piperidine-1-
                          carboxylic acid ethylamide;
   5
             1-\{(3R, 4S)-4-[(S)-3-(4-fluoro-benzyl)-piperidin-1-
                          ylmethyl]-1-methanesulfonyl-piperidin-3-yl}-3-(2-
                          morpholin-4-yl-ethyl)-urea;
10
            1-\{(3R,4S)-4-[(S)-3-(4-fluoro-benzyl)-piperidin-1-
                          ylmethyl]-1-methyl-piperidin-3-yl}-3-(2-morpholin-4-
                          yl-ethyl)-urea;
             1-\{(3R,4S)-1-\text{ethyl}-4-[(S)-3-(4-\text{fluoro-benzyl})-\text{piperidin-}\}
15
                          1-ylmethyl]-piperidin-3-yl}-3-(2-morpholin-4-yl-
                          ethyl)-urea;
            1-\{(3R,4S)-4-[(S)-3-(4-fluoro-benzyl)-piperidin-1-
                          ylmethyl]-1-isopropyl-piperidin-3-yl}-3-(2-
20
                          morpholin-4-yl-ethyl)-urea;
            1-\{(3R,4S)-1-cyclopropylmethyl-4-[(S)-3-(4-fluoro-1-(3R,4S)-1-cyclopropylmethyl-4-[(S)-3-(4-fluoro-1-(3R,4S)-1-cyclopropylmethyl-4-[(S)-3-(4-fluoro-1-(3R,4S)-1-cyclopropylmethyl-4-[(S)-3-(4-fluoro-1-(3R,4S)-1-cyclopropylmethyl-4-[(S)-3-(4-fluoro-1-(3R,4S)-1-cyclopropylmethyl-4-[(S)-3-(4-fluoro-1-(3R,4S)-1-cyclopropylmethyl-4-[(S)-3-(4-fluoro-1-(3R,4S)-1-(4-fluoro-1-(3R,4S)-1-(4-fluoro-1-(3R,4S)-1-(4-fluoro-1-(3R,4S)-1-(4-fluoro-1-(3R,4S)-1-(4-fluoro-1-(3R,4S)-1-(4-fluoro-1-(3R,4S)-1-(4-fluoro-1-(3R,4S)-1-(4-fluoro-1-(3R,4S)-1-(4-fluoro-1-(3R,4S)-1-(4-fluoro-1-(3R,4S)-1-(4-fluoro-1-(3R,4S)-1-(4-fluoro-1-(3R,4S)-1-(4-fluoro-1-(3R,4S)-1-(4-fluoro-1-(3R,4S)-1-(4-fluoro-1-(3R,4S)-1-(4-fluoro-1-(3R,4S)-1-(4-fluoro-1-(3R,4S)-1-(4-fluoro-1-(3R,4S)-1-(4-fluoro-1-(3R,4S)-1-(4-fluoro-1-(3R,4S)-1-(4-fluoro-1-(3R,4S)-1-(4-fluoro-1-(3R,4S)-1-(4-fluoro-1-(3R,4S)-1-(4-fluoro-1-(3R,4S)-1-(4-fluoro-1-(3R,4S)-1-(4-fluoro-1-(3R,4S)-1-(4-fluoro-1-(3R,4S)-1-(4-fluoro-1-(3R,4S)-1-(4-fluoro-1-(3R,4S)-1-(4-fluoro-1-(3R,4S)-1-(4-fluoro-1-(3R,4S)-1-(4-fluoro-1-(3R,4S)-1-(4-fluoro-1-(3R,4S)-1-(4-fluoro-1-(3R,4S)-1-(4-fluoro-1-(3R,4S)-1-(4-fluoro-1-(3R,4S)-1-(4-fluoro-1-(3R,4S)-1-(4-fluoro-1-(3R,4S)-1-(4-fluoro-1-(3R,4S)-1-(4-fluoro-1-(3R,4S)-1-(4-fluoro-1-(3R,4S)-1-(4-fluoro-1-(3R,4S)-1-(4-fluoro-1-(3R,4S)-1-(4-fluoro-1-(3R,4S)-1-(4-fluoro-1-(3R,4S)-1-(4-fluoro-1-(3R,4S)-1-(4-fluoro-1-(3R,4S)-1-(4-fluoro-1-(3R,4S)-1-(4-fluoro-1-(3R,4S)-1-(4-fluoro-1-(3R,4S)-1-(4-fluoro-1-(3R,4S)-1-(4-fluoro-1-(3R,4S)-1-(4-fluoro-1-(3R,4S)-1-(4-fluoro-1-(3R,4S)-1-(4-fluoro-1-(3R,4S)-1-(4-fluoro-1-(3R,4S)-1-(4-fluoro-1-(3R,4S)-1-(4-fluoro-1-(3R,4S)-1-(4-fluoro-1-(3R,4S)-1-(4-fluoro-1-(3R,4S)-1-(4-fluoro-1-(3R,4S)-1-(4-fluoro-1-(4-fluoro-1-(4-fluoro-1-(4-fluoro-1-(4-fluoro-1-(4-fluoro-1-(4-fluoro-1-(4-fluoro-1-(4-fluoro-1-(4-fluoro-1-(4-fluoro-1-(4-fluoro-1-(4-fluoro-1-(4-fluoro-1-(4-fluoro-1-(4-fluoro-1-(4-fluoro-1-(4-fluoro-1-(4-fluoro-1-(4-fluoro-1-(4-fluoro-1-(4-fluoro-1-(4-fluoro-1-(4-fluoro-1-(4-fluoro-1-(4-fluoro-1-(4-fluoro-1-(4-fluoro-1-(4-fluoro-
                          benzyl)-piperidin-1-ylmethyl]-piperidin-3-yl}-3-(2-
                          morpholin-4-yl-ethyl)-urea;
25
            1-\{(3R,4S)-4-[(S)-3-(4-fluoro-benzyl)-piperidin-1-
                          ylmethyl]-1-(2-oxo-propyl)-piperidin-3-yl}-3-(2-
                          morpholin-4-yl-ethyl)-urea;
30
            1-\{(3R,4S)-4-[(S)-3-(4-fluoro-benzyl)-piperidin-1-
                          ylmethyl]-tetrahydro-pyran-3-yl}-3-[3-(1-methyl-1H-
                          tetrazol-5-yl)-phenyl]-urea;
            1-\{(3R,4S)-4-[(S)-3-(4-fluoro-benzyl)-piperidin-1-
35
                         ylmethyl]-tetrahydro-pyran-3-yl}-3-[3-methyl-5-(1-
                         methyl-1H-tetrazol-5-yl)-phenyl]-urea;
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- 5 (3R,4R)-3-[(S)-3-(4-fluoro-benzyl)-piperidin-1-ylmethyl]-4-[3-(4-fluoro-phenyl)-ureido]-piperidine-1carboxylic acid methyl ester;
- 1-{(3R,4R)-1-(2-dimethylamino-acetyl)-3-[(S)-3-(4-fluoro-benzyl)-piperidin-1-ylmethyl]-piperidin-4-yl}-3-(4-fluoro-phenyl)-urea;
  - 1-{(3R,4R)-3-[(S)-3-(4-fluoro-benzyl)-piperidin-1 ylmethyl]-1-methanesulfonyl-piperidin-4-yl}-3-(4 fluoro-phenyl)-urea;
- 1-{(3R,4R)-3-[(S)-3-(4-fluoro-benzyl)-piperidin-1ylmethyl]-1-thiazol-2-ylmethyl-piperidin-4-yl}-3-(4fluoro-phenyl)-urea;
  - 1-[(3R,4R)-3-[(S)-3-(4-fluoro-benzyl)-piperidin-1ylmethyl]-1-(2-hydroxy-ethyl)-piperidin-4-yl]-3-(4fluoro-phenyl)-urea;
- 1-[(3R,4R)-3-[(S)-3-(4-fluoro-benzyl)-piperidin-1ylmethyl]-1-(2-morpholin-4-yl-ethyl)-piperidin-4yl]-3-(4-fluoro-phenyl)-urea;
  - 1-[(3S, 4R)-3-[(S)-3-(4-fluoro-benzyl)-piperidin-1ylmethyl]-1-(2-hydroxy-propyl)-piperidin-4-yl]-3-(4fluoro-phenyl)-urea;
- (3R,4R)-4-[3-(3,5-diacetyl-phenyl)-ureido]-3-[(S)-3-(4-30 fluoro-benzyl)-piperidin-1-ylmethyl]-piperidine-1-carboxylic acid methyl ester;

- 1-(3,5-diacetyl-phenyl)-3-{(3R,4R)-1-(2-dimethylaminoacetyl)-3-[(S)-3-(4-fluoro-benzyl)-piperidin-1ylmethyl]-piperidin-4-yl}-urea;
- 1-(3,5-diacetyl-phenyl)-3-{(3R,4R)-3-[(S)-3-(4-fluorobenzyl)-piperidin-1-ylmethyl]-1-methanesulfonylpiperidin-4-yl}-urea;
  - 1-(3,5-diacetyl-phenyl)-3-{(3R,4R)-1-(1,1-dioxo-hexahydro-1λ6-thiopyran-4-yl)-3-[(S)-3-(4-fluoro-benzyl)-piperidin-1-ylmethyl]-piperidin-4-yl}-urea;
- 10 1-(3,5-diacetyl-phenyl)-3-{(3R,4R)-3-[(S)-3-(4-fluorobenzyl)-piperidin-1-ylmethyl]-1-thiazol-2-ylmethylpiperidin-4-yl}-urea;
  - 1-(3,5-diacetyl-phenyl)-3-[(3R,4R)-3-[(S)-3-(4-fluoro-benzyl)-piperidin-1-ylmethyl]-1-(2-hydroxy-ethyl)-piperidin-4-yl]-urea;

- 1-(3,5-diacetyl-phenyl)-3-[(3R,4R)-3-[(S)-3-(4-fluorobenzyl)-piperidin-1-ylmethyl]-1-(2-methoxy-ethyl)piperidin-4-yl]-urea;
- 1-(3,5-diacetyl-phenyl)-3-[(3R,4R)-3-[(S)-3-(4-fluoro-benzyl)-piperidin-1-ylmethyl]-1-(2-morpholin-4-yl-ethyl)-piperidin-4-yl]-urea;
  - 1-(3,5-diacetyl-phenyl)-3-[(3S,4R)-3-[(S)-3-(4-fluorobenzyl)-piperidin-1-ylmethyl]-1-(2-hydroxy-propyl)piperidin-4-yl]-urea;
- 25 (3R,4R)-3-[(S)-3-(4-fluoro-benzyl)-piperidin-1-ylmethyl]4-{3-[3-methyl-5-(1-methyl-1H-tetrazol-5-yl)phenyl]-ureido}-piperidine-1-carboxylic acid methyl
  ester;
- 1-{(3R,4R)-1-(2-dimethylamino-acetyl)-3-[(S)-3-(4-fluoro-30 benzyl)-piperidin-1-ylmethyl]-piperidin-4-yl}-3-[3methyl-5-(1-methyl-1H-tetrazol-5-yl)-phenyl]-urea;

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1-\{(3R,4R)-3-[(S)-3-(4-fluoro-benzyl)-piperidin-1-
                      ylmethyl]-1-methanesulfonyl-piperidin-4-yl}-3-[3-
                      methyl-5-(1-methyl-1H-tetrazol-5-yl)-phenyl]-urea;
           1-\{(3R,4R)-3-[(S)-3-(4-fluoro-benzyl)-piperidin-1-
   5
                      ylmethyl]-1-thiazol-2-ylmethyl-piperidin-4-yl}-3-[3-
                      methyl-5-(1-methyl-1H-tetrazol-5-yl)-phenyl]-urea;
           1-[(3R, 4R)-3-[(S)-3-(4-fluoro-benzyl)-piperidin-1-
                      ylmethyl]-1-(2-hydroxy-ethyl)-piperidin-4-yl]-3-[3-
                      methyl-5-(1-methyl-1H-tetrazol-5-yl)-phenyl]-urea;
10
           1-[(3R,4R)-3-[(S)-3-(4-fluoro-benzy1)-piperidin-1-
                      ylmethyl]-1-(2-methoxy-ethyl)-piperidin-4-yl]-3-[3-
                      methyl-5-(1-methyl-1H-tetrazol-5-yl)-phenyl]-urea;
           1-[(3R, 4R)-3-[(S)-3-(4-fluoro-benzyl)-piperidin-1-
                      ylmethyl]-1-(2-morpholin-4-yl-ethyl)-piperidin-4-
15
                      y1]-3-[3-methy1-5-(1-methy1-1H-tetrazo1-5-y1)-
                      phenyl]-urea;
          1-[(3S, 4R)-3-[(S)-3-(4-fluoro-benzyl)-piperidin-1-
                      vlmethy1]-1-(2-hydroxy-propy1)-piperidin-4-y1]-3-[3-
                      methyl-5-(1-methyl-1H-tetrazol-5-yl)-phenyl]-urea;
20
           (3R, 4R) - 3 - [(S) - 3 - (4 - fluoro - benzyl) - piperidin - 1 - ylmethyl] -
                      4-{3-[3-bromo-5-(1-methyl-1H-tetrazol-5-yl)-phenyl]-
                     ureido}-piperidine-1-carboxylic acid methyl ester;
          1-\{(3R,4R)-1-(2-dimethylamino-acetyl)-3-[(S)-3-(4-fluoro-acetyl)-3-[(S)-3-(4-fluoro-acetyl)-3-[(S)-3-(4-fluoro-acetyl)-3-[(S)-3-(4-fluoro-acetyl)-3-[(S)-3-(4-fluoro-acetyl)-3-[(S)-3-(4-fluoro-acetyl)-3-[(S)-3-(4-fluoro-acetyl)-3-[(S)-3-(4-fluoro-acetyl)-3-[(S)-3-(4-fluoro-acetyl)-3-[(S)-3-(4-fluoro-acetyl)-3-[(S)-3-(4-fluoro-acetyl)-3-[(S)-3-(4-fluoro-acetyl)-3-[(S)-3-(4-fluoro-acetyl)-3-[(S)-3-(4-fluoro-acetyl)-3-[(S)-3-(4-fluoro-acetyl)-3-[(S)-3-(4-fluoro-acetyl)-3-[(S)-3-(4-fluoro-acetyl)-3-[(S)-3-(4-fluoro-acetyl)-3-[(S)-3-(4-fluoro-acetyl)-3-[(S)-3-(4-fluoro-acetyl)-3-[(S)-3-(4-fluoro-acetyl)-3-[(S)-3-(4-fluoro-acetyl)-3-[(S)-3-(4-fluoro-acetyl)-3-[(S)-3-(4-fluoro-acetyl)-3-[(S)-3-(4-fluoro-acetyl)-3-[(S)-3-(4-fluoro-acetyl)-3-[(S)-3-(4-fluoro-acetyl)-3-[(S)-3-(4-fluoro-acetyl)-3-[(S)-3-(4-fluoro-acetyl)-3-[(S)-3-(4-fluoro-acetyl)-3-[(S)-3-(4-fluoro-acetyl)-3-[(S)-3-(4-fluoro-acetyl)-3-[(S)-3-(4-fluoro-acetyl)-3-[(S)-3-(4-fluoro-acetyl)-3-[(S)-3-(4-fluoro-acetyl)-3-[(S)-3-(4-fluoro-acetyl)-3-[(S)-3-(4-fluoro-acetyl)-3-[(S)-3-(4-fluoro-acetyl)-3-[(S)-3-(4-fluoro-acetyl)-3-[(S)-3-(4-fluoro-acetyl)-3-[(S)-3-(4-fluoro-acetyl)-3-[(S)-3-(4-fluoro-acetyl)-3-[(S)-3-(4-fluoro-acetyl)-3-[(S)-3-(4-fluoro-acetyl)-3-[(S)-3-(4-fluoro-acetyl)-3-[(S)-3-(4-fluoro-acetyl)-3-[(S)-3-(4-fluoro-acetyl)-3-[(S)-3-(4-fluoro-acetyl)-3-[(S)-3-(4-fluoro-acetyl)-3-[(S)-3-(4-fluoro-acetyl)-3-[(S)-3-(4-fluoro-acetyl)-3-[(S)-3-(4-fluoro-acetyl)-3-[(S)-3-(4-fluoro-acetyl)-3-[(S)-3-(4-fluoro-acetyl)-3-[(S)-3-(4-fluoro-acetyl)-3-[(S)-3-(4-fluoro-acetyl)-3-[(S)-3-(4-fluoro-acetyl)-3-[(S)-3-(4-fluoro-acetyl)-3-[(S)-3-(4-fluoro-acetyl)-3-[(S)-3-(4-fluoro-acetyl)-3-[(S)-3-(4-fluoro-acetyl)-3-[(S)-3-(4-fluoro-acetyl)-3-[(S)-3-(4-fluoro-acetyl)-3-[(S)-3-(4-fluoro-acetyl)-3-[(S)-3-(4-fluoro-acetyl)-3-[(S)-3-(4-fluoro-acetyl)-3-[(S)-3-(4-fluoro-acetyl)-3-[(S)-3-(4-fluoro-acetyl)-3-[(S)-3-(4-fluoro-acetyl)-3-[(S)-3-(4-fluoro-acetyl)-3-[(S)-3-(4-fluoro-acetyl)-3-[(S)-3-(4-fluoro-acetyl)-3-[(S)-3-(4-fluoro-acetyl)-3-[(S)-3-(4-fluoro-acetyl)-3-[(S)-3
                     benzyl)-piperidin-1-ylmethyl]-piperidin-4-yl}-3-[3-
25
                     bromo-5-(1-methyl-1H-tetrazol-5-yl)-phenyl]-urea;
          1-\{(3R,4R)-3-[(S)-3-(4-fluoro-benzyl)-piperidin-1-
                     ylmethyl]-1-methanesulfonyl-piperidin-4-yl}-3-[3-
                     bromo-5-(1-methyl-1H-tetrazol-5-yl)-phenyl]-urea;
          1-\{(3R,4R)-3-[(S)-3-(4-fluoro-benzyl)-piperidin-1-
30
                     ylmethyl]-1-thiazol-2-ylmethyl-piperidin-4-yl}-3-[3-
                     bromo-5-(1-methyl-1H-tetrazol-5-yl)-phenyl]-urea;
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1-[(3R,4R)-3-[(S)-3-(4-fluoro-benzyl)-piperidin-1-
          ylmethyl]-1-(2-hydroxy-ethyl)-piperidin-4-yl]-3-[3-
          bromo-5-(1-methyl-1H-tetrazol-5-yl)-phenyl]-urea;
     1-[(3R,4R)-3-[(S)-3-(4-fluoro-benzy1)-piperidin-1-
 5
          ylmethyl]-1-(2-methoxy-ethyl)-piperidin-4-yl]-3-[3-
          bromo-5-(1-methyl-1H-tetrazol-5-yl)-phenyl]-urea;
     1-[(3R,4R)-3-[(S)-3-(4-fluoro-benzyl)-piperidin-1-
          ylmethyl]-1-(2-morpholin-4-yl-ethyl)-piperidin-4-
          y1]-3-[3-bromo-5-(1-methyl-1H-tetrazol-5-yl)-
10
          phenyl]-urea;
     1-[(3S, 4R)-3-[(S)-3-(4-fluoro-benzyl)-piperidin-1-
          ylmethyl]-1-(2-hydroxy-propyl)-piperidin-4-yl]-3-[3-
          bromo-5-(1-methyl-1H-tetrazol-5-yl)-phenyl]-urea;
     (3R, 4S) - 3 - (3-benzyl-ureido) - 4 - [(S) - 3 - (4-fluoro-benzyl) -
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          piperidin-1-ylmethyl]-piperidine-1-carboxylic acid
          tert-butyl ester;
     1-\text{benzyl}-3-\{(3R,4S)-4-[(S)-3-(4-\text{fluoro-benzyl})-\text{piperidin-}
          1-ylmethyl]-piperidin-3-yl}-urea;
     (3R, 4S) - 4 - [(S) - 3 - (4 - fluoro - benzyl) - piperidin - 1 - ylmethyl] -
20
          3-[3-(tetrahydro-pyran-4-ylmethyl)-ureido]-
          piperidine-1-carboxylic acid tert-butyl ester;
     1-\{(3R,4S)-4-[(S)-3-(4-fluoro-benzyl)-piperidin-1-
          ylmethyl]-piperidin-3-yl}-3-(tetrahydro-pyran-4-
          ylmethyl)-urea;
25
     (3R, 4S) - 4 - [(S) - 3 - (4 - fluoro - benzyl) - piperidin - 1 - ylmethyl] -
          3-{3-[2-(tetrahydro-pyran-4-yl)-ethyl]-ureido}-
          piperidine-1-carboxylic acid tert-butyl ester;
    1-\{(3R, 4S)-4-[(S)-3-(4-fluoro-benzyl)-piperidin-1-
          ylmethyl]-piperidin-3-yl}-3-[2-(tetrahydro-pyran-4-
30
         yl)-ethyl]-urea;
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1-\{(3S,4S)-4-[(S)-3-(4-Fluoro-benzyl)-piperidin-1-
         ylmethyl]-tetrahydro-pyran-3-yl}-3-[3-methyl-5-(1-
         methyl-1H-tetrazol-5-yl)-phenyl]-urea;
    1-\{(3S,4S)-4-[(S)-3-(4-fluoro-benzyl)-piperidin-1-
 5
         ylmethyl]-tetrahydro-pyran-3-yl}-3-[3-(1-methyl-1H-
         tetrazol-5-yl)-phenyl]-urea;
    1-\{(3S,4S)-4-[(S)-3-(4-fluorobenzyl)-piperidin-1-
         ylmethyl]-tetrahydro-pyran-3-yl}-3-[5-acetyl-4-
         methylthiazol-2-yl]-urea;
10
    1-\{(3S,4S)-4-[(S)-3-(4-fluorobenzyl)-piperidin-1-
         ylmethyl]-tetrahydro-pyran-3-yl}-3-(3-acetylphenyl)-
         urea;
    1-\{(3S,4S)-4-[(S)-3-(4-fluorobenzyl)-piperidin-1-
         ylmethyl]-tetrahydro-pyran-3-yl}-3-(2-morpholin-4-
15
         yl-ethyl)-urea;
    1-\{(3S,4S)-4-[(S)-3-(4-fluorobenzyl)-piperidin-1-
         ylmethyl]-1,1-dioxo-tetrahydrothiophen-3-yl}-3-[5-
         acetyl-4-methylthiazol-2-yl]-urea;
    1-\{(3S,4S)-4-[(S)-3-(4-fluorobenzyl)-piperidin-1-
20
         ylmethyl]-1,1-dioxo-tetrahydrothiophen-3-yl}-3-[3-
         (1-methyl-1H-tetrazol-5-yl)-phenyl]-urea;
    1-\{(3S,4S)-4-[(S)-3-(4-fluorobenzyl)-piperidin-1-
         ylmethyl]-1,1-dioxo-tetrahydrothiophen-3-yl}-3-[3-
         acetylphenyl]-urea;
25
    1-\{(3S,4S)-4-[(S)-3-(4-fluorobenzyl)-piperidin-1-
         ylmethyl]-1,1-dioxo-tetrahydrothiophen-3-yl}-3-(2-
         morpholin-4-yl-ethyl)-urea;
    (4-fluorobenzyl)-piperidine-1-carbonyl]-1,1-dioxo-
```

tetrahydro- $1\lambda 6$ -thiophen-3-yl}-urea;

- (3S,4S)-3-[(S)-3-(4-fluorobenzyl)-piperidin-1-ylmethyl]5 4-{3-[3-methyl-5-(1-methyl-1H-tetrazol-5-yl) phenyl]-ureido}-pyrrolidine-1-carboxylic acid tertbutyl ester;
  - 1-(5-acetyl-4-methylthiazol-2-yl)-3-{(3S,4S)-4-[(S)-3-(4-fluorobenzyl)-piperidin-1-ylmethyl]-pyrrolidin-3-yl}-urea.

In another embodiment, the present invention provides a pharmaceutical composition, comprising a pharmaceutically acceptable carrier and a therapeutically effective amount of a compound of the present invention.

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In another embodiment, the present invention provides a method for modulation of chemokine receptor activity comprising administering to a patient in need thereof a therapeutically effective amount of a compound of the present invention.

In another embodiment, the present invention provides a method for treating inflammatory disorders comprising administering to a patient in need thereof a therapeutically effective amount of a compound of the present invention

In another embodiment, the present invention provides a method for treating or preventing disorders selected from asthma, allergic rhinitis, atopic dermatitis, inflammatory bowel diseases, idiopathic pulmonary fibrosis, bullous pemphigoid, helminthic parasitic infections, allergic colitis, eczema, conjunctivitis, transplantation, familial eosinophilia, eosinophilic cellulitis, eosinophilic pneumonias,

eosinophilic fasciitis, eosinophilic gastroenteritis, drug induced eosinophilia, HIV infection, cystic fibrosis, Churg-Strauss syndrome, lymphoma, Hodgkin's disease, and colonic carcinoma.

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In another embodiment, the present invention provides a method for treating or preventing disorders selected from asthma, allergic rhinitis, atopic dermatitis, and inflammatory bowel diseases.

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In another embodiment, the present invention provides a method for treating or preventing asthma.

In another embodiment, the compound of Formula (I)

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In another embodiment, the compound of Formula (I)

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In another embodiment, J is  $\mathrm{CH}_2$ , K is selected from  $\mathrm{CH}_2$  and  $\mathrm{CHR}^5$ , and L is selected from  $\mathrm{CH}_2$  and  $\mathrm{CHR}^5$ , wherein at least one of K or L contains an  $\mathrm{R}^5$ .

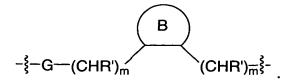
In another embodiment, K is CH2.

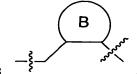
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In another embodiment, L is CH2.

In another embodiment, Z is selected from O, S, NCN, and NCONH2.

In another embodiment, E is





In another embodiment, E is

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In another embodiment, Ring B is piperidine, tetrahydropyran, tetrahydrothiopyran, tetrahydrothiopyran 1,1-dioxide, piperidin-2-one, tetrahydropyran-2-one, [1,2]thiazinane 1,1-dioxide, pyrrolidine, tetrahydrofuran, tetrahydrothiophene, pyrrolidin-2-one, dihydrofuran-2-one, and isothiazolidine 1,1-dioxide.

In another embodiment, Ring B is piperidine,

tetrahydropyran, tetrahydrothiopyran, tetrahydrothiopyran

1,1-dioxide, piperidin-2-one, tetrahydropyran-2-one,

[1,2]thiazinane 1,1-dioxide, pyrrolidine,

tetrahydrofuran, tetrahydrothiophene, pyrrolidin-2-one,

dihydrofuran-2-one, and isothiazolidine 1,1-dioxide.

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In another embodiment, Ring B is piperidine and tetrahydropyran.

In another embodiment,  $R^1$  and  $R^2$  are H.

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In another embodiment,  $R^3$  is selected from a  $(CR^3'H)_r$ -carbocyclic residue substituted with 0-5  $R^{15}$ , wherein the carbocyclic residue is selected from phenyl,  $C_{3-6}$  cycloalkyl, naphthyl, and adamantyl; and a  $(CR^3'H)_r$ -heterocyclic system substituted with 0-3  $R^{15}$ , wherein the heterocyclic system is selected from pyridinyl, thiophenyl, furanyl, indazolyl, benzothiazolyl,

benzimidazolyl, benzothiophenyl, benzofuranyl, benzoxazolyl, benzisoxazolyl, quinolinyl, isoquinolinyl, imidazolyl, indolyl, indolinyl, isoindolyl, isothiadiazolyl, isoxazolyl, piperidinyl, pyrrazolyl, 1,2,4-triazolyl, 1,2,3-triazolyl, tetrazolyl, thiadiazolyl, thiazolyl, oxazolyl, pyrazinyl, and pyrimidinyl.

In another embodiment, R<sup>3</sup> is selected from a methyl substituted with 0-2  $R^{10}$ ,  $C_{2-8}$  alkyl substituted with 0-2 10  $\mathbb{R}^7$ , a  $\mathbb{C}_{3-10}$  carbocyclic residue substituted with 0-3  $\mathbb{R}^{15}$ , wherein the carbocyclic residue is selected from cyclopropyl, cyclobutyl, cyclopentyl, cyclohexyl, phenyl, naphthyl and adamantyl, and a (CR3'H)<sub>r</sub>-heterocyclic system substituted with 0-3  $R^{15}$ , wherein the heterocyclic system 15 is selected from pyridinyl, thiophenyl, furanyl, indazolyl, benzothiazolyl, benzimidazolyl, benzothiophenyl, benzofuranyl, benzoxazolyl, benzisoxazolyl, quinolinyl, isoquinolinyl, imidazolyl, indolyl, indolinyl, isoindolyl, isothiadiazolyl, 20 isoxazolyl, piperidinyl, pyrrazolyl, 1,2,4-triazolyl, 1,2,3-triazolyl, tetrazolyl, thiadiazolyl, thiazolyl, oxazolyl, pyrazinyl, and pyrimidinyl.

In another embodiment,  $R^3$  is selected from a phenyl substituted with 0-2  $R^{15}$ ; and a  $(CH_2)_r$ -5-10 membered heterocyclic system containing 1-4 heteroatoms selected from N, O, and S, substituted with 0-2  $R^{15}$ , wherein the heterocyclic system is selected from pyridinyl, morpholinyl, pyrazolyl, indazolyl, thiazolyl and r is 0, 1, or 2.

In another embodiment, R<sup>5</sup> is selected from (CR<sup>5</sup>'H)<sub>t</sub>phenyl substituted with 0-5 R<sup>16</sup>; and a (CR<sup>5</sup>'H)<sub>t</sub>
heterocyclic system substituted with 0-3 R<sup>16</sup>, wherein the heterocyclic system is selected from pyridinyl, thiophenyl, furanyl, indazolyl, benzothiazolyl,

benzimidazolyl, benzothiophenyl, benzofuranyl,
benzoxazolyl, benzisoxazolyl, quinolinyl, isoquinolinyl,
imidazolyl, indolyl, indolinyl, isoindolyl,
isothiadiazolyl, isoxazolyl, piperidinyl, pyrrazolyl,
5 1,2,4-triazolyl, 1,2,3-triazolyl, tetrazolyl,
thiadiazolyl, thiazolyl, oxazolyl, pyrazinyl, and
pyrimidinyl.

In another embodiment, R<sup>5</sup> is selected from a CH<sub>2</sub>-C<sub>3</sub>
10 10 carbocyclic residue substituted with 1-5 R<sup>16</sup> and a

heterocyclic system substituted with 0-3 R<sup>15</sup>, wherein the
heterocyclic system is selected from pyridinyl,
thiophenyl, furanyl, indazolyl, benzothiazolyl,
benzimidazolyl, benzothiophenyl, benzofuranyl,

15 benzoxazolyl, benzisoxazolyl, quinolinyl, isoquinolinyl,
imidazolyl, indolyl, indolinyl, isoindolyl,
isothiadiazolyl, isoxazolyl, piperidinyl, pyrrazolyl,
1,2,4-triazolyl, 1,2,3-triazolyl, tetrazolyl,
thiadiazolyl, thiazolyl, oxazolyl, pyrazinyl, and
pyrimidinyl.

In another embodiment,  ${\rm R}^5$  is  ${\rm CH}_2$ -phenyl substituted with 0-3  ${\rm R}^{16}$ .

- In another embodiment,  $R^9$  is selected from H,  $CH_3$ ,  $C_{2-6}$  alkyl substituted with 0-3  $R^{9a}$ ,  $C_{3-8}$  alkenyl,  $C_{3-8}$  alkynyl,  $C_{1-3}$  haloalkyl,  $(CH_2)_rC(0)C_{1-6}$  alkyl substituted with 0-2  $R^{9j}$ ,  $(CH_2)_rC(0)OC_{1-6}$  alkyl substituted with 0-3  $R^{9b}$ ,  $(CH_2)_rC(0)NR^{9d}R^{9d}$ ,  $(CH_2)_rS(0)_2C_{1-6}$  alkyl,  $S(0)_2C_{1-6}$  trifluoromethyl,  $(CH_2)_rC(0)R^{9'}$ ,  $(CH_2)_rC(0)NR^{9d}R^{9'}$ ,  $(CH_2)_rS(0)_2R^{9'}$ ,  $R^{9'}$ , and  $(CH_2)_rS(0)_2NR^{9d}R^{9'}$ ;
- $R^{9'}$ , at each occurrence, is independently selected from (CHR') $_r$ C $_{3-6}$  cycloalkyl substituted with 0-3  $R^{9e}$ , wherein the cycloalkyl is selected from cyclopropyl,

cyclobutyl, cyclopentyl, and cyclohexyl,

(CHR')<sub>r</sub>phenyl substituted with 0-3 R<sup>9c</sup>, (CHR')<sub>r</sub>5-6

membered heterocycle system containing 1-4

heteroatoms selected from N, O, and S, substituted

with 0-3 R<sup>9c</sup>, wherein the heterocycle is selected

from oxadiazolyl, morpholinyl, piperidinyl,

tetrahydropyranyl, tetrahydrothiopyranyl,

tetrahydrothiopyranyl dioxide, thiophene,

imidazolyl, pyrrolidinyl, pyrrolyl, thiazolyl, and

furanyl, and (CHR')<sub>r</sub>phenyl substituted with 0-3 R<sup>9c</sup>;

 $R^{9a}$ , at each occurrence, is selected from CN, O-methyl, O-ethyl, CF<sub>3</sub>, OH, OC(O)-methyl, S-methyl, S-ethyl, S-propyl, S(O)<sub>p</sub>-methyl, S(O)<sub>p</sub>-ethyl, S(O)<sub>p</sub>-propyl, and  $NR^{9d}R^{9d'}$ :

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- $\rm R^{9b},$  at each occurrence, is selected from cyclopropyl, cyclbutyl, cyclpentyl, CN, CF3, CH2-OC1-5 alkyl, CH2-OH, CH2-SC1-5 alkyl, and CH2-NR9dR9d';
- R<sup>9c</sup>, at each occurrence, is selected from  $C_{1-6}$  alkyl,  $C_{3-6}$  cycloalkyl, Cl, F, Br, I, CN, NO<sub>2</sub>,  $(CF_2)_rCF_3$ ,  $(CH_2)_rOC_{1-5}$  alkyl,  $(CH_2)_rC(0)OC_{1-5}$  alkyl,  $(CH_2)_rC(0)NR^{9d}R^{9d'}$ ,  $(CH_2)_rOH$ ,  $(CH_2)_rSC_{1-5}$  alkyl,  $(CH_2)_rS(0)_pC_{1-5}$  alkyl, and  $(CH_2)_rNR^{9d}R^{9d'}$ ;
- provided that if  $R^{9c}$  is attached to a carbon attached to the nitrogen on Ring B, then  $R^{9c}$  is selected from  $(CH_2)_qOH, \ (CH_2)_qOC_{1-5} \ alkyl, \ (CH_2)_qSC_{1-5} \ alkyl,$   $(CH_2)_qS(O)_qC_{1-5} \ alkyl, \ and \ (CH_2)_qNR^{9d}R^{9d'};$
- R<sup>9d</sup> and R<sup>9d'</sup>, at each occurrence, are independently selected from H, methyl, ethyl, propyl, i-propyl, butyl, cyclopropyl, cyclobutyl, cyclopentyl, cyclohexyl and phenyl;

 $R^{9e}$ , at each occurrence, is selected from  $C_{1-6}$  alkyl,  $C_{3-6}$  cycloalkyl,  $C_{1}$ , F, Br, I, CN,  $NO_{2}$ ,  $(CF_{2})_{r}CF_{3}$ ,  $(CH_{2})_{r}OC_{1-5}$  alkyl,  $(CH_{2})_{r}C(0)OC_{1-5}$  alkyl,  $(CH_{2})_{r}C(0)NR^{9d}R^{9d}$ ,  $(CH_{2})_{r}OH$ ,  $(CH_{2})_{r}SC_{1-5}$  alkyl,  $(CH_{2})_{r}S(0)_{p}C_{1-5}$  alkyl, and  $(CH_{2})_{r}NR^{9d}R^{9d}$ , or alternatively, two  $R^{9e}$  on the same carbon atom form

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=0; and

- 10 R<sup>9j</sup>, at each occurrence, is selected from cyclpropyl, cyclobutyl, cyclopentyl, CN, CF<sub>3</sub>, O-methyl, O-ethyl, O-propyl, O-i-propyl, O-butyl, OH, S-methyl, S-ethyl, and NR<sup>9d</sup>R<sup>9d'</sup>.
- In another embodiment, R<sup>9</sup> is selected from H, C<sub>2-6</sub> alkyl substituted with 0-3 R<sup>9a</sup>, wherein the alkyl is selected from methyl, ethyl, propyl, i-propyl, butyl, i-butyl, s-butyl, t-butyl, neo-pentyl; CH<sub>2</sub>CH=CH<sub>2</sub>; -CH<sub>2</sub>C=CH; 2-fluoroethyl, 2,2-
- difluoroethyl, 2,2,2-trifluoroethyl,  $(CH_2)_rC(0)C_{1-6}$  alkyl substituted with 0-2  $R^{9j}$ , wherein the alkyl is selected from methyl, ethyl, propyl, i-propyl, butyl, t-butyl; C(0)Omethyl, C(0)Ot-butyl,  $SO_2$ methyl,  $SO_2$ ethyl,  $SO_2$ propyl,  $SO_2$ i-propyl,  $SO_2$ t-
- 25 butyl,  $SO_2CF_{3,}$  ( $CH_2$ ) $_rC(O)NR^{9d}R^{9d'}$ ; ( $CH_2$ ) $_rC(O)R^{9'}$ , ( $CH_2$ ) $_rC(O)NR^{9d}R^{9'}$ , ( $CH_2$ ) $_rS(O)_2R^{9'}$ ,  $R^{9'}$ , and ( $CH_2$ ) $_rS(O)_2NR^{9d}R^{9'}$ ;
- $R^{9'}$ , at each occurrence, is independently selected from (CHR') $_{r}$ C $_{3-6}$  cycloalkyl, wherein the cycloalkyl is selected from cyclopropyl, cyclobutyl, cyclopentyl, and cyclohexyl, (CHR') $_{r}$ phenyl substituted with 0-3  $R^{9c}$ , (CHR') $_{r}$ 5-6 membered heterocycle system containing 1-4 heteroatoms selected from N, O, and S, substituted with 0-3  $R^{9c}$ , wherein the heterocycle

is selected from oxadiazolyl, morpholinyl, piperidinyl, tetrahydropyranyl, tetrahydrothiopyranyl dioxide, thiophene, imidazolyl, pyrrolidinyl, pyrrolyl, thiazolyl, and furanyl, and (CHR')<sub>r</sub>phenyl substituted with 0-3 R<sup>9c</sup>;

 $R^{9a}$ , at each occurrence, is selected from CN, O-methyl, O-ethyl, CF<sub>3</sub>, OH, OC(O)-methyl, S-methyl, S-ethyl, S-propyl,  $S(O)_p$ -methyl,  $S(O)_p$ -ethyl,  $S(O)_p$ -propyl, and  $NR^{9d}R^{9d'}$ :

R<sup>9c</sup>, at each occurrence, is selected from methyl, ethyl,
propyl, C(0)-methyl, C(0)0-t-butyl;

R<sup>9d</sup> and R<sup>9d'</sup>, at each occurrence, are independently selected from H, methyl, ethyl, propyl, i-propyl, butyl, t-butyl;

20 R<sup>9j</sup>, at each occurrence, is selected from O-methyl, O-ethyl, and NR<sup>9d</sup>R<sup>9d'</sup>.

The invention may be embodied in other specific forms without departing from the spirit or essential attributes thereof. This invention also encompasses all combinations of preferred aspects of the invention noted herein. It is understood that any and all embodiments of the present invention may be taken in conjunction with any other embodiment to describe additional even more preferred embodiments of the present invention. Furthermore, any elements of an embodiment are meant to be combined with any and all other elements from any of the embodiments to describe additional embodiments.

## 35 <u>DEFINITIONS</u>

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The compounds herein described may have asymmetric centers. Compounds of the present invention containing an asymmetrically substituted atom may be isolated in

optically active or racemic forms. It is well known in the art how to prepare optically active forms, such as by resolution of racemic forms or by synthesis from optically active starting materials. Many geometric isomers of olefins, C=N double bonds, and the like can also be present in the compounds described herein, and all such stable isomers are contemplated in the present invention. Cis and trans geometric isomers of the compounds of the present invention are described and may be isolated as a mixture of isomers or as separated isomeric forms. All chiral, diastereomeric, racemic forms and all geometric isomeric forms of a structure are intended, unless the specific stereochemistry or isomeric form is specifically indicated.

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The term "substituted," as used herein, means that any one or more hydrogens on the designated atom is replaced with a selection from the indicated group, provided that the designated atom's normal valency is not exceeded, and that the substitution results in a stable compound. When a substitution is keto (i.e., =0), then 2 hydrogens on the atom are replaced.

When any variable (e.g., Ra) occurs more than one time in any constituent or formula for a compound, its definition at each occurrence is independent of its definition at every other occurrence. Thus, for example, if a group is shown to be substituted with 0-2 Ra, then said group may optionally be substituted with up to two Ra groups and Ra at each occurrence is selected independently from the definition of Ra. Also, combinations of substituents and/or variables are permissible only if such combinations result in stable compounds.

When a bond to a substituent is shown to cross a bond connecting two atoms in a ring, then such substituent may be bonded to any atom on the ring. When a substituent is listed without indicating the atom via which such substituent is bonded to the rest of the compound of a given formula, then such substituent may be

bonded via any atom in such substituent. Combinations of substituents and/or variables are permissible only if such combinations result in stable compounds.

As used herein, "C<sub>1-8</sub> alkyl" is intended to include 5 both branched and straight-chain saturated aliphatic hydrocarbon groups having the specified number of carbon atoms, examples of which include, but are not limited to, methyl, ethyl, n-propyl, i-propyl, n-butyl, i-butyl, secbutyl, t-butyl, pentyl, and hexyl.  $C_{1-8}$  alkyl, is intended 10 to include C<sub>1</sub>, C<sub>2</sub>, C<sub>3</sub>, C<sub>4</sub>, C<sub>5</sub>, C<sub>6</sub>, C<sub>7</sub>, and C<sub>8</sub> alkyl groups. "Alkenyl" is intended to include hydrocarbon chains of either a straight or branched configuration and one or more unsaturated carbon-carbon bonds which may occur in any stable point along the chain, such as ethenyl, 15 propenyl, and the like. "Alkynyl" is intended to include hydrocarbon chains of either a straight or branched configuration and one or more unsaturated triple carboncarbon bonds which may occur in any stable point along the chain, such as ethynyl, propynyl, and the like. 20 cycloalkyl" is intended to include saturated ring groups having the specified number of carbon atoms in the ring, including mono-, bi-, or poly-cyclic ring systems, such as cyclopropyl, cyclobutyl, cyclopentyl, cyclohexyl, and cycloheptyl in the case of C7 cycloalkyl. C3-6 cycloalkyl, 25 is intended to include  $C_3$ ,  $C_4$ ,  $C_5$ , and  $C_6$  cycloalkyl groups

"Halo" or "halogen" as used herein refers to fluoro, chloro, bromo, and iodo; and "haloalkyl" is intended to include both branched and straight-chain saturated aliphatic hydrocarbon groups, for example  $CF_3$ , having the specified number of carbon atoms, substituted with 1 or more halogen (for example  $-C_vF_w$  where v=1 to 3 and w=1 to (2v+1).

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As used herein, the term "5-6-membered cyclic ketal" is intended to mean 2,2-disubstituted 1,3-dioxolane or 2,2-disubstituted 1,3-dioxane and their derivatives.

As used herein, "carbocycle" or "carbocyclic residue" is intended to mean any stable 3, 4, 5, 6, or 7-

membered monocyclic or bicyclic or 7, 8, 9, 10, 11, 12, or 13-membered bicyclic or tricyclic, any of which may be saturated, partially unsaturated, or aromatic. Examples of such carbocycles include, but are not limited to, cyclopropyl, cyclobutyl, cyclopentyl, cyclohexyl, cycloheptyl, adamantyl, cyclooctyl,;
[3.3.0]bicyclooctane, [4.3.0]bicyclononane,
[4.4.0]bicyclodecane (decalin), [2.2.2]bicyclooctane, fluorenyl, phenyl, naphthyl, indanyl, adamantyl, or tetrahydronaphthyl (tetralin).

As used herein, the term "heterocycle" or "heterocyclic system" or "heterocyclic ring" is intended to mean a stable 5, 6, or 7-membered monocyclic or bicyclic or 7, 8, 9, or 10-membered bicyclic heterocyclic 15 ring which is saturated, partially unsaturated or unsaturated (aromatic), and which consists of carbon atoms and 1, 2, 3, or 4 heteroatoms independently selected from the group consisting of N, NH, O and S and including any bicyclic group in which any of the above-20 defined heterocyclic rings is fused to a benzene ring. The nitrogen and sulfur heteroatoms may optionally be oxidized. The heterocyclic ring may be attached to its pendant group at any heteroatom or carbon atom which results in a stable structure. The heterocyclic rings 25 described herein may be substituted on carbon or on a nitrogen atom if the resulting compound is stable. specifically noted, a nitrogen in the heterocycle may optionally be quaternized. It is preferred that when the total number of S and O atoms in the heterocycle exceeds 30 1, then these heteroatoms are not adjacent to one another. As used herein, the term "aromatic heterocyclic system" is intended to mean a stable 5- to 7- membered monocyclic or bicyclic or 7- to 10-membered bicyclic heterocyclic aromatic ring which consists of carbon atoms 35 and from 1 to 4 heterotams independently selected from the group consisting of N, O and S.

Examples of heterocycles include, but are not limited to, 1H-indazole, 2-pyrrolidonyl, 2H,6H-1,5,2-

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dithiazinyl, 2H-pyrrolyl, 3H-indolyl, 4-piperidonyl, 4aH-
    carbazole, 4H-quinolizinyl, 6H-1,2,5-thiadiazinyl,
    acridinyl, azocinyl, benzimidazolyl, benzofuranyl,
    benzothiofuranyl, benzothiophenyl, benzoxazolyl,
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    benzthiazolyl, benztriazolyl, benztetrazolyl,
    benzisoxazolyl, benzisothiazolyl, benzimidazalonyl,
    carbazolyl, 4aH-carbazolyl, β-carbolinyl, chromanyl,
    chromenyl, cinnolinyl, decahydroquinolinyl, 2H,6H-1,5,2-
    dithiazinyl, dihydrofuran-2-one, dihydrofuro[2,3-
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    b]tetrahydrofuran, furanyl, furazanyl, imidazolidinyl,
    imidazolinyl, imidazolyl, 1H-indazolyl, indolenyl,
    indolinyl, indolizinyl, indolyl, isobenzofuranyl,
    isochromanyl, isoindazolyl, isoindolinyl, isoindolyl,
    isoquinolinyl (benzimidazolyl), isothiazolidine 1,1-
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    dioxide, isothiazolyl, isoxazolyl, morpholinyl,
    naphthyridinyl, octahydroisoquinolinyl, oxadiazolyl,
    1,2,3-oxadiazolyl, 1,2,4-oxadiazolyl, 1,2,5-oxadiazolyl,
    1,3,4-oxadiazolyl, oxazolidinyl, oxazolyl,
    oxazolidinylperimidinyl, phenanthridinyl,
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    phenanthrolinyl, phenarsazinyl, phenazinyl,
    phenothiazinyl, phenoxathiinyl, phenoxazinyl,
    phthalazinyl, piperazinyl, piperidin-2-one, piperidinyl,
    pteridinyl, piperidonyl, 4-piperidonyl, pteridinyl,
    purinyl, pyranyl, pyrazinyl, pyrazolidinyl, pyrazolinyl,
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    pyrazolyl, pyridazinyl, pyridooxazole, pyridoimidazole,
    pyridothiazole, pyridinyl, pyridyl, pyrimidinyl,
    pyrrolidin-2-one, pyrrolidinyl, pyrrolinyl, pyrrolyl,
    quinazolinyl, quinolinyl, 4H-quinolizinyl, quinoxalinyl,
    quinuclidinyl, carbolinyl, tetrahydrofuranyl,
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    tetrahydroisoquinolinyl, tetrahydropyranyl (THP),
    tetrahydroquinolinyl, tetrahydropyran-2-one,
    tetrahydrothiophenyl, 1-oxo-hexahydro-1\lambda^4-thiopyranyl,
    1,1-dioxo-hexahydro-1\lambda^6-thiopyranyl,
    tetrahydrothiopyranyl (THTP), 6H-1,2,5-thiadiazinyl,
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    1,2,3-thiadiazolyl, 1,2,4-thiadiazolyl, 1,2,5-
    thiadiazolyl, 1,3,4-thiadiazolyl, thianthrenyl, 1,1-
    dioxo-1\lambda^6- [1,2]thiazinanyl, thiazolyl, thienyl,
    thienothiazolyl, thienooxazolyl, thienoimidazolyl,
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thiophenyl, triazinyl, 1,2,3-triazolyl, 1,2,4-triazolyl, 1,2,5-triazolyl, 1,3,4-triazolyl, tetrazolyl, and xanthenyl. Preferred heterocycles include, but are not limited to, pyridinyl, thiophenyl, furanyl, indazolyl, 5 benzothiazolyl, benzimidazolyl, benzothiaphenyl, benzofuranyl, benzoxazolyl, benzisoxazolyl, quinolinyl, isoquinolinyl, imidazolyl, indolyl, isoidolyl, piperidinyl, piperidonyl, 4-piperidonyl, piperonyl, pyrrazolyl, 1,2,4-triazolyl, 1,2,3-triazolyl, tetrazolyl, 10 thiazolyl, oxazolyl, pyrazinyl, pyrimidinyl, tetrahydropyranyl, tetrahydrothiopyranyl, 1-oxohexahydro- $1\lambda^4$ -thiopyranyl, 1,1-dioxo-hexahydro- $1\lambda^6$ thiopyranyl, piperidin-2-one, tetrahydropyran-2-one, 1,1dioxo- $1\lambda^6$ -[1,2]thiazinanyl, pyrrolidinyl,

15 tetrahydrofuranyl, tetrahydrothiophenyl, pyrrolidin-2one, dihydrofuran-2-one, and isothiazolidine 1,1-dioxide. Also included are fused ring and spiro compounds containing, for example, the above heterocycles.

The phrase "pharmaceutically acceptable" is employed
herein to refer to those compounds, materials,
compositions, and/or dosage forms which are, within the
scope of sound medical judgment, suitable for use in
contact with the tissues of human beings and animals
without excessive toxicity, irritation, allergic
response, or other problem or complication, commensurate
with a reasonable benefit/risk ratio.

As used herein, "pharmaceutically acceptable salts" refer to derivatives of the disclosed compounds wherein the parent compound is modified by making acid or base salts thereof. Examples of pharmaceutically acceptable salts include, but are not limited to, mineral or organic acid salts of basic residues such as amines; alkali or organic salts of acidic residues such as carboxylic acids; and the like. The pharmaceutically acceptable salts include the conventional non-toxic salts or the quaternary ammonium salts of the parent compound formed, for example, from non-toxic inorganic or organic acids. For example, such conventional non-toxic salts include

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those derived from inorganic acids such as hydrochloric, hydrobromic, sulfuric, sulfamic, phosphoric, nitric and the like; and the salts prepared from organic acids such as acetic, propionic, succinic, glycolic, stearic, lactic, malic, tartaric, citric, ascorbic, pamoic, maleic, hydroxymaleic, phenylacetic, glutamic, benzoic, salicylic, sulfanilic, 2-acetoxybenzoic, fumaric, toluenesulfonic, methanesulfonic, ethane disulfonic, oxalic, isethionic, and the like.

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10 The pharmaceutically acceptable salts of the present invention can be synthesized from the parent compound which contains a basic or acidic moiety by conventional chemical methods. Generally, such salts can be prepared by reacting the free acid or base forms of these compounds with a stoichiometric amount of the appropriate 15 base or acid in water or in an organic solvent, or in a mixture of the two; generally, nonaqueous media like ether, ethyl acetate, ethanol, isopropanol, or acetonitrile are preferred. Lists of suitable salts are 20 found in Remington's Pharmaceutical Sciences, 17th ed., Mack Publishing Company, Easton, PA, 1985, p. 1418, the disclosure of which is hereby incorporated by reference.

Since prodrugs are known to enhance numerous desirable qualities of pharmaceuticals (e.g., solubility, bioavailability, manufacturing, etc...) the compounds of the present invention may be delivered in prodrug form. Thus, the present invention is intended to cover prodrugs of the presently claimed compounds, methods of delivering the same and compositions containing the same.

"Prodrugs" are intended to include any covalently bonded carriers which release an active parent drug of the present invention in vivo when such prodrug is administered to a mammalian subject. Prodrugs the present invention are prepared by modifying functional groups present in the compound in such a way that the modifications are cleaved, either in routine manipulation or in vivo, to the parent compound. Prodrugs include compounds of the present invention wherein a hydroxy, amino, or sulfhydryl group is bonded to any group that,

when the prodrug of the present invention is administered to a mammalian subject, it cleaves to form a free hydroxyl, free amino, or free sulfhydryl group, respectively. Examples of prodrugs include, but are not limited to, acetate, formate and benzoate derivatives of alcohol and amine functional groups in the compounds of the present invention.

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As used herein, "treating" or "treatment" cover the treatment of a disease-state in a mammal, particularly in a human, and include: (a) preventing the disease-state from occurring in a mammal, in particular, when such mammal is predisposed to the disease-state but has not yet been diagnosed as having it; (b) inhibiting the disease-state, i.e., arresting it development; and/or (c) relieving the disease-state, i.e., causing regression of the disease state.

"Stable compound" and "stable structure" are meant to indicate a compound that is sufficiently robust to survive isolation to a useful degree of purity from a reaction mixture, and formulation into an efficacious therapeutic agent.

# SYNTHESIS

The compounds of Formula I can be prepared using the 25 reactions and techniques described below. The reactions are performed in a solvent appropriate to the reagents and materials employed and suitable for the transformations being effected. It will be understood by those skilled in the art of organic synthesis that the 30 functionality present on the molecule should be consistent with the transformations proposed. This will sometimes require a judgment to modify the order of the synthetic steps or to select one particular process scheme over another in order to obtain a desired compound 35 of the invention. It will also be recognized that another major consideration in the planning of any synthetic route in this field is the judicious choice of the protecting group used for protection of the reactive

functional groups present in the compounds described in this invention. An authoritative account describing the many alternatives to the trained practitioner is Greene and Wuts (*Protective Groups In Organic Synthesis*, Wiley and Sons, 1999).

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Generally, compounds described in the scope of this patent application can be synthesized by the route described in Schemes 1, 2 or 3. In all schemes, P is a suitable protecting group as described in Greene and Wuts, Protective Groups in Organic Synthesis, 3rd edition, John Wiley & Sons, New York. In Scheme 1, the appropriately substituted pyrrolidine (n=0) or piperidine (n=1) 1 is alkylated by a N-protected alkylhalide (halide = Cl, Br, I), mesylate, tosylate or triflate, 2, E represents a linkage described within the scope of this application in its fully elaborated form with the appropriate protecting groups as understood by one skilled in the art or in a precursor form which can be later elaborated into its final form by methods familiar to one skilled in the art) with or without base or an acid scavenger to yield the piperidinyl- or pyrrolidinylalkyl protected amine 3. If the halide is not I, then KI can also be added to facilitate the displacement, provided the solvent is suitable, such as an alcohol, 2-butanone, DMF or DMSO, amongst others. displacement can be performed at room temperature to the reflux temperature of the solvent. The protecting group is subsequently removed to yield amine  $\underline{4}$ . Protecting groups include phthalimide which can be removed by hydrazine, a reaction familiar to one skilled in the art; bis-BOC which can be removed by either TFA or HCl dissolved in a suitable solvent, both procedures being familiar to one skilled in the art; a nitro group instead of an amine which can be reduced to yield an amine by conditions familiar to one skilled in the art; 2,4dimethyl pyrrole (S. P. Breukelman, et al. J. Chem. Soc. Perkin Trans. I, 1984, 2801); N-1,1,4,4-Tetramethyldisilylazacyclopentane (STABASE) (S. Djuric, J. Venit,

and P. Magnus Tet. Lett 1981, 22, 1787) and other protecting groups. Reaction with an isocyanate or isothiocyanate 5 (Z = 0,S) yields urea or thiourea 6. Reaction with a chloroformate or chlorothioformate 7 5 (Z=O,S) such as o-, p-nitrophenyl-chloroformate or phenylchloroformate (or their thiocarbonyl equivalents), followed by displacement with an amine 9, also yields the corresponding urea or thiourea 6. Likewise, reaction of carbamate 8 (X = H, or 2- or 4-NO2) with disubstituted 10 amine 10 yields trisubstituted urea or thiourea 12. Reaction of the amine 4 with an N,N-disubstituted carbamoyl chloride <u>11</u> (or its thiocarbonyl equivalent) yields the corresponding N,N-disubstituted urea or thiourea 12. Amine 4 can also be reductively aminated 15 with aldehyde 13 to yield 14 by conditions familiar to one skilled in the art and by the following conditions: Abdel-Magid, A. F., et al. Tet. Lett. 1990, 31, (39) 5595-5598. This secondary amine can subsequently be reacted with isocyanates or isothiocyanates to yield 20 trisubstituted ureas 15 or with carbamoyl chlorides to yield tetrasubstituted ureas 16.

One can also convert amine 4 into an isocyanate, isothiocyanate, carbamoyl chloride or its thiocarbonyl equivalent (isocyanate: Nowakowski, J. J Prakt.

Chem/Chem-Ztg 1996, 338 (7), 667-671; Knoelker, H.-J.et al., Angew. Chem. 1995, 107 (22), 2746-2749; Nowick, J.

S.et al., J. Org. Chem. 1996, 61 (11), 3929-3934; Staab, H. A.; Benz, W.; Angew Chem 1961, 73; isothiocyanate: Strekowski L.et al., J. Heterocycl. Chem. 1996, 33 (6), 1685-1688; Kutschy, Pet al., Synlett. 1997, (3), 289-290) carbamoyl chloride: Hintze, F.; Hoppe, D.; Synthesis (1992) 12, 1216-1218; thiocarbamoyl chloride: Ried, W.; Hillenbrand, H.; Oertel, G.; Justus Liebigs Ann Chem

1954, 590) (these reactions are not shown in Scheme 1). These isocyanates, isothiocyanates, carbamoyl chlorides or thiocarbamoyl chlorides can then be reacted with  $R^2R^3NH$  to yield di- or trisubstituted ureas or thioureas 12. An additional urea forming reaction involves the reaction of carbonyldiimidazole (CDI) (Romine, J. L.; Martin, S. W.; Meanwell, N. A.; Epperson, J. R.; Synthesis 1994 (8), 846-850) with 4 followed by reaction of the intermediate imidazolide with 9 or in the reversed sequence (9 + CDI, followed by 4). Activation of 10 imidazolide intermediates also facilitates urea formation (Bailey, R. A., et al., Tet. Lett. 1998, 39, 6267-6270). One can also use 14 and 10 with CDI. The urea forming reactions are done in an aprotic inert solvent such as 15 THF, toluene, DMF, etc., at room temperature to the reflux temperature of the solvent and can employ the use of an acid scavenger or base when necessary such as carbonate and bicarbonate salts, triethylamine, DBU, Hunig's base, DMAP, etc.

20 Scheme 2 describes the synthesis of compounds with an carbonyl linking the appropriately substituted pyrrolidine (n=0) or piperidine (n=1) 1 and B. When carboxylic acid 17 is used, a wide variety of dehydrating coupling reagents may be used to prepare the amide 198 25 from amine  $\underline{1}$ . A review of the possible reaction conditions was prepared by Y. S. Klausner and M. Bodansky in Synthesis 1972, 9, 453-463. Additional references by E. Gross and J. Meienhofer can be found in the monograph series The Peptides, 4 vols.; Academic Press: New York, 30 1979-1983. Alternatively the acid chloride 18 can be prepared from carboxylic acid 17 via thionyl chloride or oxalyl chloride among other reagents (see Ansell in S. Patai, The Chemistry of Carboxylic Acids and Esters, Wiley Interscience: New York 1969, 35-68) and then 35 coupled with amine 1 to give amide 19. Deprotection of amide 19 gives the required intermediate amine 20, which can be further elaborated to the final products by the procedures outlined in Scheme 1.

An alternative coupling of a alkyl linkage to the appropriately substituted pyrrolidine (n=0) or piperidine (n=1) 1 and B uses an reductive amination sequence (Abdel-Magid, A. F., et al. Tet. Lett. 1990, 31, (39) 5595-5598) shown in Scheme 3. The appropriately protected aldehyde 21 is reacted with amine 1 and the resulting imine is reduced with sodium triacetoxy-borohyride. Alternative hydride sources such as sodium cyanoborohydride may also be used. Deprotection of protected amine 22 gives the required intermediate amine 23, which can be further elaborated to the final products by the procedures outlined in Scheme 1.

Substituted pyrrolidines and piperidines <u>1</u> can either be obtained commercially or be prepared as shown in the example of Scheme 4. Commercially available N-benzylpiperid-3-one <u>24</u> can be debenzylated and protected

with a BOC group employing reactions familiar to one skilled in the art. Subsequent Wittig reaction followed by reduction and deprotection yields piperidine 28 employing reactions familiar to one skilled in the art. 5 Substituted pyrrolidines may be made by a similar reaction sequence. Other isomers and analogs around the piperidine ring can also be made by a similar reaction sequence. Chiral pyrrolidines/piperidines can be synthesized via asymmetric hydrogenation of 18 using 10 chiral catalysts (see Parshall, G.W. Homogeneous Catalysis, John Wiley and Sons, New York: 1980, pp. 43-45; Collman, J.P., Hegedus, L.S. Principles and Applications of Organotransition Metal Chemistry, University Science Books, Mill Valley, CA, 1980, pp. 341-15 348).

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Guanidines ( $Z=NR^{1a}$ ) can be synthesized by the methods outlined in Scheme 5. Compound <u>29</u> where Z=S can be methylated to yield the methylisothiourea <u>30</u>. Displacement of the SMe group with amines yields substituted guanidines <u>31</u> (see H. King and I. M. Tonkin J. Chem. Soc. 1946, 1063 and references therein). Alternatively, reaction of thiourea <u>29</u> with amines in the presence of triethanolamine and "lac sulfur" which facilitates the removal of  $H_2S$  yields substituted guanidines <u>31</u> (K. Ramadas, Tet. Lett. 1996, 37, 5161 and

references therein). Finally, the use of carbonimidoyldichloride  $\underline{32}$ , or  $\underline{33}$  followed by sequential displacements by amines yields the corresponding substituted guanidine  $\underline{31}$  (S. Nagarajan, et al., Syn. Comm. 1992, 22, 1191-8 and references therein). In a similar manner, carbonimidoyldichlorides,  $R^2-N=C(C1)_2$  (not shown in Scheme 5) and  $R^3-N=C(C1)_2$  (not shown) can also be reacted sequentially with amines to yield di- and trisubstituted guanidine  $\underline{23}$ .

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## Scheme 5

Schemes 6 through 30 and Scheme 43 describe the syntheses of the variety of heterocyclic linkers, B. The protecting groups shown in the following schemes were chosen to maximize the utility of intermediates in a variety of schemes and may be interchanged with other compatible groups. While the synthesis of only one enantiomer is shown, the chiral precursors are available in both forms and therefore any isomer can be made from commercially available starting materials.

Scheme 6 describes the preparation of 2,3disubstituted piperidines. The aspartic acid 34 can be exhaustively protected with benzyl bromide and the betacarbon can be alkylated with allyl bromide to give the 5 amino ester 35 as a mixture of diastereomers. Hydroboration can provide the alcohol 36 (H. C. Brown, J. C. Chen; J. Org. Chem. 1981, 46, 3978), with can be oxidized to an aldehyde (K. Omura, D. Swerm; Tet. Lett. 1978, 34, 1651) and the benzyl groups removed by 10 catalytic hydrogenation. The intermediate aminoaldehyde cyclizes to an imine which can be further reduced to an aminoacid. Coupling this aminoacid with BOP-Cl (Castro, B.; Dormoy, J. R.; Evin, G.; Selve, C. Tet. Lett. 1975, 14, 1219) and the corresponding cyclic amine can give 15 amide 37. Acidic hydrolysis of the ester, Boc protection of the amine, Curtius rearrangement via dppa (Deng, J.; Hamada, Y.; Shioiri, T. Tet. Lett. 1996, 37, 2261) can provide the amine 38. To prepare the methylene derivative, borane reduction of amine 38 can give amine 20 <u> 39</u>.

# Scheme 6

For the synthesis of 3,4-disubstituted piperidines, the sequence shown in Scheme 7 can be used. Following a procedure using an analog of a cyclohexanone derivative (Hayashi, Y.; Rohde, J. J.; Corey, E. J. J. Am. Chem. 1996, 118(23), 5502), the imine of 4-ketopiperidine 5 40 can be prepared by heating with (R)-alpha-methyl benzylamine with Dean-Stark trapping. Reduction with sodium triacetoxyborohyride can give the cis-amino ester Epimerization can give the trans derivative 43. 42. 10 Hydrogenolysis of the benzyl group and protection as a benzyl carbamate 44 can provide a common intermediate for the hydrolysis and coupling to prepare amide 45 after deprotection. Alternatively, the ester can reduced to an alcohol, oxidized to an aldehyde, reductively aminated 15 and deprotected to give amine 46.

In a very similar manner, ketopiperidine  $\underline{47}$  can be converted to amide  $\underline{52}$  or amine  $\underline{53}$  as shown in Scheme 8.

The synthesis of 2,3-disubstituted dihydropyrans is described in Scheme 9. Starting with diol 54, monoprotection and oxidation (Siedlecka, R.; Skarzewski, J.k; Mlochowski, J.; Tet. Lett. 1990, 31(15), 2177) can give acid 55. Acylation of the chiral auxiliary mediated by pivaloyl chloride can give oxazolinone 57. Sparteinemediated aldol condensation with cinnamaldehyde sets up the required stereochemistry in alcohol 58 (Crimmins, M. T.; King, B. W.; Tabet, E. A.; J. Am. Chem. Soc. 1997, 119(33), 7883). Fluoride deprotection, triflate-mediated cyclization and lithium peroxide removal of the auxiliary can provide dihydropyran 59. Curtius rearrangement in the presence of t-butanol can produce the required protected amine. Oxidation with ozone and quenching with

dimethyl sulfide can give the aldehyde <u>61</u>. Oxidation of aldehyde 61 with TEMPO can give carboxylic acid <u>60</u>.

## Scheme 9

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Scheme 10 describes the synthesis of 3,4disubstituted dihydropyrans. Coupling of oxazolinone 56 with cinnamoyl chloride and subsequent boron-mediated aldol condensation (Galatsis, P.; Millan, S. D.; Ferguson, G.; J. Org. Chem. 1997, 62(15), 5048) with aldehyde 62 can give alcohol 63. Lithium borohydride auxiliary removal, protection of the primary alcohol with TBSC1, mesylate formation of the secondary alcohol, displacement of the mesylate with azide and reduction of the azide and protection of the resulting amine can give 64. Ozonolysis followed by reductive workup, mesylate formation of the alcohol, selective fluoride deprotection of the TBMP silyl ether (Guindon, Y.; Fortin, R.; Yaokim, C.; Gillard, J. W.; Tet. Lett. 1984, 25, 4717), and basic cyclization can provide dihydropyran 65. Fluoride deprotection followed by Swern oxidation can produce aldehyde 66 for reductive amination. Alternatively, the

alcohol can be oxidized with PDC (Corey, E. J.; Schmidt, G. Tet. Lett. 1979, 5, 399) to acid 67.

The preparation of the regioisomeric 3,4-disubstituted dihydropyrans is shown in Scheme 11. One of the key differences between Schemes 11 and 10 is the aldol reaction with the shorter chain aldehyde 68. Instead of ozonolysis, the olefin 70 can be hydroborated, the resulting alcohol can be mesylated, and, after deprotection, undergoes ring closure to give the desired dihydropyran 71. Oxidation can give either 72 or 73.

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For the corresponding dihydrothiopyrans, advanced 5 precursors from the dihydropyran syntheses were used. Scheme 12 describes the synthesis of 2,3-disubstituted dihydrothiopyrans. Starting with alcohol 58, Lawesson's reagent displaces the hydroxyl with retention of configuration (Eberle, M. K.; Nuninger, F.; Weber, H-P.; 10 J. Org. Chem. 1995, 60(8), 2610). Acidic fluoride deprotection removes the silyl group and catalyzes the cyclization to the dihydrothiopyran. Lithium hydroperoxide removes the chiral auxiliary and oxidizes the sulfur to the sulfone 74. Curtius rearrangement with 15 Boc anhydride and ozonolysis with oxidative workup can give acid 75. Ozonolysis with reductive workup can give aldehyde <u>76</u>.

## Scheme 12

20 2) O<sub>3</sub>, **OTBDPS** OH H<sub>2</sub>O<sub>2</sub> 1) Lawesson's 75 HO<sub>2</sub>C' Reag. dppa NHBoc 2) HF•pyridine tBuOH Me<sub>2</sub>S Ph 3) LiOH, H<sub>2</sub>O<sub>2</sub> 74 OHC, 76 NHBoc

The preparation of the regioisomeric dihydrothiopyrans can be shown in Scheme 13. Ozonolysis of olefin 64 with reductive workup can provide an alcohol.

5 Selective fluoride deprotection of the TBMP silyl group (discussed with scheme 10), mesylate formation on both alcohols, followed by displacement with sodium sulfide and subsequent ring closure can give sulfide 77. Fluoride deprotection and Swern oxidation can give aldehyde 78. Alternatively, PDC oxidation (Jeong, L. S.; Schinazi, R. F.; Beach, J. W.; Kim, H. O.; Shanmuganathan, K.; J. Med. Chem. 1993, 36(18), 2627) can give acid 79.

#### 15 Scheme 13

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The preparation of the other regioisomeric dihydrothiopyrans can be shown in Scheme 14. Selective fluoride deprotection of the TBMP silyl group on 70 (discussed previously), mesylate formation, can be followed by displacement of the mesylate with sodium sulfide.

Reduction of the olefin initiates ring closure to give sulfide 80 (Aggarwal, V. K.; Ford, J. G.; Fonquerna, S.; Adams, H.; Jones, R. V. H.; Fieldhouse, R.; J. Am. Chem. Soc. 1998, 120, 30). Fluoride deprotection and Swern oxidation can give aldehyde 81. Alternatively, PDC oxidation can give acid 82.

Scheme 15 shows the synthesis of the 5,6
5 disubstituted lactams. Alcohol 36 can be oxidized with PDC to the carboxylic acid, the ester and amine are deprotected by hydrogenolysis, heat can be applied to do a intramolecular cyclization, and the remaining carboxylic acid can be coupled with BOP-Cl with the amine 10 1 to give amide 83. Acidic ester hydrolysis with trifluoroacetic acid followed by Curtius rearrangement with dppa can provide amine 84.

#### Scheme 15

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If the methylene linker can be desired for the 5,6-disubstituted lactams, then the synthesis can be outlined in Scheme 16. Alcohol <u>36</u> can be oxidized with PDC to the carboxylic acid, the ester and amine are deprotected by

hydrogenolysis, heat can be applied to do a intramolecular cyclization, and the remaining carboxylic acid can be converted to the acid chloride, reduced to the alcohol and protected with the TBDP silyl group to give ester 85. Acidic ester hydrolysis with trifluoroacetic acid, Curtius rearrangement with dppa and Boc protection of the amine, fluoride deprotection and Swern oxidation can provide aldehyde 86.

## 10 Scheme 16

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Scheme 17 describes the synthesis of 3,4-disubstituted lactams. Olefin <u>64</u> can be ozonolyzed with an oxidative workup. The resulting carboxylic acid can be converted to methyl ester <u>87</u> with trimethylsilyl diazomethane. Selective fluoride deprotection, mesylate formation, azide displacement of the mesylate, reduction of the azide and concomitant cyclization onto the ester can provide amide <u>88</u>. Fluoride deprotection and Swern oxidation completes the synthesis of aldehyde <u>89</u>.

Scheme 18 describes the synthesis of 4,5-disubstituted lactams. Ether <u>64</u> can be selectively deprotected, oxidized to a carboxylic acid and esterified with trimethylsilyl diazomethane to give ester <u>90</u>. Ozonolysis of the olefin with reductive workup, followed by mesylate formation of the resulting alcohol, azide displacement of the mesylate, reduction of the azide and concomitant cyclization onto the ester can provide amide <u>91</u>. Fluoride deprotection and Swern oxidation completes the synthesis of aldehyde <u>92</u>. Alternatively, oxidation with PDC can give acid <u>93</u>.

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Scheme 19 describes the synthesis of regioisomeric 20 4,5-disubstituted lactams. Olefin 70 can be

hydroborated, the resulting alcohol can be oxidized to a carboxylic acid and esterified with trimethylsilyl diazomethane to give ester 94. Selective fluoride deprotection, followed by mesylate formation of the resulting alcohol, azide displacement of the mesylate, reduction of the azide and concomitant cyclization onto the ester can provide amide 95. Fluoride deprotection and Swern oxidation completes the synthesis of aldehyde Alternatively, oxidation with PDC can give acid 97. <u>96.</u>

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15 Scheme 20 describes the synthesis of regioisomeric 2,3-disubstituted lactams. Ether 70 can be selectively 20

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deprotected, the resulting alcohol can be oxidized to a carboxylic acid and esterified with trimethylsilyl diazomethane to give ester 98. Hydroboration, followed by mesylate formation of the resulting alcohol, azide displacement of the mesylate, reduction of the azide and concomitant cyclization onto the ester can provide amide 99. Fluoride deprotection and Swern oxidation completes the synthesis of aldehyde 100. Alternatively, oxidation with PDC can give acid 101.

The corresponding lactones are prepared in a series 5 of synthetic schemes that parallel those used to prepare the corresponding lactams. The synthesis of 5,6disubstituted lactones is described in Scheme 21. Starting with ether 58, fluoride deprotection, selective oxidation of the primary alcohol with quinolinium 10 chlorochromate (Singh, J.; Kalsi, Partap S.; Jawanda, G. S.; Chhabra, B. R.; Chem. Ind. 1986, 21, 751), further oxidation of the resulting aldehyde with silver(II) oxide (Corey, E. J.; Gilman, N. W.; Ganem, B. E.; J. Amer. Chem. Soc. 1968, 90(20), 5616), heating to facilitate 15 cyclization, and lithium peroxide cleavage of the auxiliary can provide lactone 102. Curtius rearrangement followed by ozonolysis with a reductive workup give aldehyde 103. Alternatively, an oxidative workup can give acid 104.

### Scheme 21

Scheme 22 describes the synthesis of 3,4
5 disubstituted lactones. Olefin <u>64</u> can be ozonolyzed with an oxidative workup. The TBMP silyl group can be selectively removed with fluoride, the alcohol can be heated and cyclizes with the carboxylic acid to give the lactone <u>105</u>. Fluoride deprotection and Swern oxidation completes the synthesis of aldehyde <u>106</u>.

#### Scheme 22

15 Scheme 23 describes the synthesis of 3,4disubstituted lactones. The TBMP silyl group of ether 64
can be selectively removed with fluoride, the alcohol can
be oxidized with PDC to a carboxylic acid, and the olefin
can be ozonolyzed with an reductive workup to facilitate
20 closure to the lactone 107. Fluoride deprotection and

Swern oxidation completes the synthesis of aldehyde <u>108</u>. Alternately, the alcohol can be oxidized with PDC to the carboxylic acid <u>109</u>.

## 5 Scheme 23

Scheme 24 describes the synthesis of regioisomeric 4,5-disubstituted lactones. Olefin 70 can be
10 hydroborated, the resulting alcohol can be oxidized to a carboxylic acid, the TBMP silyl can be selectively deprotected, and heated to promote cyclization to give amide 110. Fluoride deprotection and Swern oxidation completes the synthesis of aldehyde 111. Alternatively, oxidation with PDC can give acid 112.

# Scheme 24

Scheme 25 describes the synthesis of regioisomeric 3,4-disubstituted lactones. The TBMP silyl group of ether 70 can be selectively removed with fluoride, the alcohol can be oxidized with PDC to a carboxylic acid, and the olefin can be hydroborated and heated to facilitate closure to the lactone 113. Fluoride deprotection and Swern oxidation completes the synthesis of aldehyde 114. Alternately, the alcohol can be oxidized with PDC to the carboxylic acid 115.

Scheme 26 shows the synthesis of the 5,6-disubstituted sulfonamides. Alcohol 36 can be converted to the thiol with Lawesson's reagent (Nishio, T.; J. Org. Chem. 1997, 62(4), 1106), the thiol can be oxidized with performic acid (Roberts, d. V.; J. biol. Chem. 1953, 204, 871), the benzyl groups were hydrogenolyzed and the mixture heated to facilitate cyclization to sulfonamide 116 (Selve, C.; Neiedercorn, F.; Nacro, M.; Castro, B.; Gabriel, M.; Tetrahedron 1981, 37, 1903). The carboxylic acid can be converted to the acid chloride with oxalyl chloride, reduced with sodium borohyride, and protected as a TBDP silyl ether 117. Acidic ester hydrolysis, Curtius rearrangement with dppa, fluoride deprotection, followed by Swern oxidation can provide aldehyde 118.

Alternately, the alcohol can be oxidized with PDC to the carboxylic acid <u>119</u>.

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Scheme 27 describes the synthesis of 3,4-disubstituted sulfonamides. The olefin 64 can be ozonolyzed with reductive workup, the resulting alcohol can be converted to a thiol, and then oxidized to the sulfonic acid 120. Selective fluoride deprotection, mesylate formation, azide displacement and hydrogenation followed by cyclization can provide sulfonamide 121. Fluoride deprotection and Swern oxidation can give aldehyde 122.

Scheme 28 describes the synthesis of 4,5-disubstituted sulfonamides. The ether 64 can be selectively fluoride deprotected, the resulting alcohol can be converted to a thiol, and then oxidized to the sulfonic acid 123. Ozonolysis with reductive workup, mesylate formation, azide displacement and hydrogenation followed by cyclization can provide sulfonamide 124. Fluoride deprotection and Swern oxidation can give aldehyde 125. Alternately, the alcohol can be oxidized with PDC to the carboxylic acid 126.

Scheme 29 describes the synthesis of 4,5-disubstituted sulfonamides. The olefin 64 can be hydroborated, the resulting alcohol can be converted to a thiol, and then oxidized to the sulfonic acid 127. Selective fluoride deprotection, mesylate formation, azide displacement and hydrogenation followed by cyclization can provide sulfonamide 128. Fluoride deprotection and Swern oxidation can give aldehyde 129. Alternately, the alcohol can be oxidized with PDC to the carboxylic acid 130.

Scheme 30 describes the synthesis of 4,5-disubstituted sulfonamides. The ether 70 can be selectively fluoride deprotected, the resulting alcohol can be converted to a thiol, and then oxidized to the sulfonic acid 131. Hydroboration of the olefin, mesylate formation, azide displacement and hydrogenation followed by cyclization can provide sulfonamide 132. Fluoride deprotection and Swern oxidation can give aldehyde 133. Alternately, the alcohol can be oxidized with PDC to the carboxylic acid 134.

# 15 Scheme 30

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Multisubstituted pyrrolidines and piperidines may be synthesized by the methods outlined in Scheme 31. Monoalkylation of 135 via an enolate using LDA or potassium hexamethyldisilazane, or converting 135 first to an enamine, or by using other bases, all of which can be done in THF, ether, dioxane, benzene, or an appropriate non-hydroxylic solvent at -78 OC to room temperature with an alkylating agent such as methyl iodide, benzyl bromide, etc. where X can be as defined in Scheme 1, yields product 136. This product can subsequently undergo alkylation again under thermodynamic or kinetic conditions and afterwards, if need be, can undergo two more alkylations to produce tri- and tetrasubstituted analogs of 136. The thermodynamic or kinetic conditions yield regioselectively alkylated products (for a discussion on thermodynamic vs. kinetic alkylations see H. House Modern Synthetic Reactions, W. A. Benjamin, Inc. (Menlo Park, CA: 1972) chapter 9).

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Subsequent Wittig olefination yields compound 137.

Hydrogenation (asymmetric hydrogenation can be an option here: Parshall, G.W. Homogeneous Catalysis, John Wiley and Sons, New York: 1980, pp. 43-45; Collman, J.P., Hegedus, L.S. Principles and Applications of Organotransition Metal Chemistry, University Science

Books, Mill Valley, CA, 1980, pp. 341-348) yields pyrrolidine or piperidine 138 which can be resolved into its relative and/or absolute isomers at this stage or later on in the synthesis either by crystallization, chromatographic techniques, or other methods familiar to one skilled in the art. The amine 138 an then be elaborated into the compounds of this invention by methods discussed previously (Scheme 1). The carbonylcontaining intermediate 136 in Scheme 31 can also be reduced to the methylene analog via a Wolff-Kishner reduction and modifications thereof, or by other methods familiar to one skilled in the art. This piperidine or pyrrolidine can be deprotected and elaborated to the compounds of this invention by methods discussed earlier. Thus, mono-, di-, tri-, or tetraalkylated carbonylcontaining pyrrolidines or piperidines can be synthesized, which in turn can be reduced to the corresponding -CH2- analogs employing the Wolff-Kishner reduction or other methods.

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Another method for synthesizing gem-substituted pyrrolidines and piperidines can be shown in Scheme 32. It can be understood by one skilled in the art that some of the steps in this scheme can be rearranged. It can be also understood that gem-disubstitution can be only shown at only one position on the piperidine ring and that similar transformations may be performed on other carbon atoms as well, both for piperidine and pyrrolidine. Thus, 3-carboethoxypiperidine 139 may be BOC-protected and alkylated employing a base such as LDA, KHMDS, LHDMS, etc., in THF, ether, dioxane, etc. at -78 °C to room temperature, and an alkylating agent  $R^6X$  where X can be a halide (halide = Cl, Br, I), mesylate, tosylate or triflate, to yield 141. Reduction using DIBAL, for example, and if necessary followed by oxidation such as a Swern oxidation (S. L. Huang, K. Omura, D. Swern J. Org. Chem. 1976, 41, 3329-32) yields aldehyde <u>142</u>. Wittig olefination (143) followed by deprotection yields 144 which may be elaborated as described previously into the

compounds of this invention. Reduction of the Wittig adduct 143 yields 145 which may be deprotected to yield 146 which may be in turn elaborated as described previously into the compounds of this invention.

- Reaction of aldehyde  $\underline{142}$  with an alkyllithium or Grignard reagent yields alcohol  $\underline{147}$  which may be reduced catalytically or with Et<sub>3</sub>SiH/TFA (J. Org. Chem. 1969, 34, 4; J. Org. Chem. 1987, 52, 2226) if  $R^{5*}$  ( $R^{5*} = R^{5}$  or a precursor thereof) can be aromatic to yield  $\underline{148}$ . If  $R^{5*}$
- 10 can be not aromatic, then the OH may be reduced by the method of Barton (Barton, D. H. R.; Jaszberenyi, J. C. Tet. Lett. 1989, 30, 2619 and other references therein). Once tosylated, the alcohol can also be displaced with dialkyllithium cuprates (not shown) (Hanessian, S.;
- Thavonekham, B.; DeHoff, B.; J Org. Chem. 1989, 54, 5831). Deprotection if necessary yields <u>149</u> which may be elaborated as described previously into the compounds of this invention.

A method for the alkylation of alkyl groups, arylalkyl groups, allylic groups, propargylic groups, etc., and a variety of other electrophiles onto the pyrrolidinyl and/or piperidinyl alpha-carbons (alpha to the ring nitrogen atom) can be represented by the work of Peter Beak, et al. as shown in Scheme 33. It can be understood by one skilled in the art that the R<sup>5</sup> and R<sup>13</sup> groups are either in their precursor, protected, or final form. Only one R<sup>5</sup> group can be shown to be substituted on piperidine/pyrrolidine 150. However it can be understood by one skilled in the art that additional functionality may be present on the ring in either precursor, protected, or final form. Thus lithiation with an alkyllithium reagent such as n-BuLi or s-BuLi as

shown, followed by quenching with an electrophilic species such as R<sup>5</sup>X or R<sup>13</sup>X where X can be as defined in Scheme 1 and R<sup>5</sup> and R<sup>13</sup> are in their precursor, protected, or final form, yields monoalkylated

5 piperidine/pyrrolidine 151. This alkylation may occur either stereoselectively (P. Beak and W.K. Lee J. Org. Chem. 1990, 55, 2578-2580) or enantioselectively if sparteine can be included as a source of chirality (P. Beak, et al., J. Am. Chem. Soc. 1994, 116, 3231-3239).

10 The alkylation process may be repeated up to three more times as shown in Scheme 33 to result in di-, tri-, and tetrasubstitution at the alpha-positions.

#### Scheme 33

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A method for the synthesis of N-substituted heterocycles at  $\mathbb{R}^5$  can be shown in Scheme 34. The heterocycle can be deprotonated with NaH or by other bases familiar to one skilled in the art, in a solvent

such as DMF, THF, or another appropriate non-hydroxylic solvent and reacted with piperidine or pyrrolidine 155 at room temperature to the reflux temperature of the solvent. Deprotection and elaboration as described before yields compounds where R<sup>5</sup> contains an N-substituted heterocycle. If the nitrogen atom of the heterocycle can be sufficiently nucleophilic, then an acid scavenger, such as K2CO3, KHCO3, Na2CO3, NaHCO3, amongst others, can be used in place of NaH, employing THF, DMF, or methyl ethyl ketone as solvents. In this case hydroxylic solvents may be used as well, such as methanol, ethanol, etc. from room temperature to the reflux temperature of the solvent. Compound 155 as well as its other positional isomers are available, for example, from commercially available 4-hydroxymethylpiperidine, 2-, 3-, and 4-carboethoxypiperidine, L- or D-proline ethyl ester, or from methyl 1-benzyl-5-oxo-3-pyrrolidinecarboxylate by methods familiar to one skilled in the art and as discussed previously in this application.

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#### Scheme 34

A method for the synthesis of C-substituted heterocycles at R<sup>5</sup> can be shown in Scheme 35. Many heterocycles such as the ones shown in Scheme 35, but not limited thereto, can be metallated with strong bases such as LDA, n-BuLi, sec-BuLi, t-BuLi, etc. to yield the corresponding anionic species. These anions may also be generated via halogen-metal exchange employing n-BuLi, or other alkyllithium reagents. These reactions may be

performed in THF, ether, dioxane, DME, benzene, etc. at  $^{-78}$  OC to room temperature.

Scheme 35

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For reviews of these metallations and halogen-metal exchange reactions see Organometallics in Organic Synthesis, FMC Corp., Lithium Division, 1993, pp. 17-39; Lithium Link, FMC Corp., Spring 1993, pp. 2-17; n-Butyllithium in Organic Synthesis, Lithium Corp. of America, 1982, pp. 8-16; G. Heinisch, T. Langer, P. Lukavsky, J. Het. Chem. 1997, 34, 17-19. The anions can then be quenched with electrophile 155 or its positional isomers to yield the corresponding C-alkylated heterocyclic pyrrolidine or piperidine 157.

Another method for the synthesis of C-substituted heterocyclic-methylpyrrolidines or piperidines can be shown in Scheme 36. The protected aldehyde <u>158</u> can be reacted with the anion of the heterocycle (its generation as described previously) at -78 °C to room temperature

with or without CeCl3 in an inert solvent such as THF, ether, dioxane, DME, benzene, etc. to yield carbinol 159. Catalytic hydrogenation of the alcohol yields the corresponding methylene compound 157. Other reduction methods include Et3SiH/TFA (J. Org. Chem. 1969, 34, 4; J. Org. Chem. 1987, 52, 2226) amongst others familiar to one skilled in the art. It can be understood by one skilled in the art that the aldehyde group can be located in other positions instead of, for example, the 4-position of piperidine in compound 158 as depicted in Scheme 36. It can be to be understood that other heterocycles may also be used besides the ones shown in Scheme 35 and 36.

#### 15 Scheme 36

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The anions of the methyl-substituted heterocycles may also be reacted with a BOC-protected piperidone or pyrrolidone (160) to yield alcohols 161 as shown in Scheme 22 (see above reviews on metallations for references). These alcohols may be reduced using PtO2

and TFA (P. E. Peterson and C. Casey, J. Org. Chem. 1964, 29, 2325-9) to yield piperidines and pyrrolidines 162. These can subsequently be taken on to the compounds of this invention as described previously. It can be understood by one skilled in the art that the carbonyl group can be located in other positions instead of, for example, the 4-position of piperidine in compound 160 as depicted in Scheme 37. It can be to be understood that other heterocycles may also be used besides the ones shown in Scheme 37.

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One may also react aryl (phenyl, naphthyl, etc.) anions, generated either by halogen-metal exchange or by ortho-directed metallation (Snieckus, V. Chem. Rev. 1990, 90, 879-933) using n- or s- or t-BuLi in a non-hydroxylic solvent such as THF, ether, etc., with or without TMEDA and allow them to react with compounds 155, 158, and 160 with subsequent elaboration to yield the compounds of this invention by the methods depicted in Schemes 34-37.

Another method for the preparation of C-substituted heterocycles can be shown in Scheme 38. Protected piperidone 160 undergoes a Wittig reaction with heterocyclic phosphorous ylides to yield 163. Hydrogenation over a noble metal catalyst such as Pd in an alcoholic solvent or with an optically active

transition metal catalyst (see asymmetric hydrogenation references of Parshall and Coleman, op. cit.) yields 164 which can be further elaborated into the compounds of this invention by the procedures described previously. It will be appreciated by one skilled in the art that the carbonyl group can be located in other positions instead of, for example, the 4-position of piperidine in compound 160 as depicted in Scheme 38. It can be to be understood that other heterocycles may also be used besides the ones shown in Scheme 38.

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Syntheses of amines 9, 10, and the amines which are precursors to isocyanates or isothiocyanates 5 will now be discussed. For example, nitrobenzeneboronic acid (165: Scheme 39) can undergo Suzuki couplings (Suzuki, A. Pure Appl. Chem. 1991, 63, 419) with a wide variety of substituted iodo- or bromo aryls (aryls such as phenyl, naphthalene, etc.), heterocycles, alkyls, akenyls (Moreno-manas, M., et al., J. Org. Chem., 1995, 60, 2396), or alkynes. It can also undergo coupling with triflates of aryls, heterocycles, etc. (Fu, J.-m, Snieckus, V. Tet. Lett. 1990, 31, 1665-1668). Both of the above reactions can also undergo carbonyl insertion

in the presence of an atmosphere of carbon monoxide (Ishiyama, et al., Tet. Lett. 1993, 34, 7595). These nitro-containing compounds (167 and 169) can then be reduced to the corresponding amines either via catalytic 5 hydrogenation, or via a number of chemical methods such as Zn/CaCl2 (Sawicki, E. J Org Chem 1956, 21). carbonyl insertion compounds (158) can also undergo reduction of the carbonyl group to either the CHOH or CH2 linkages by methods already discussed (NaBH4 or Et3SiH, 10 TFA, etc.). These amines can then be converted to isocyanate 5 via the following methods (Nowakowski, J. J Prakt Chem/Chem-Ztg 1996, 338 (7), 667-671; Knoelker, H.-J.et al., Angew Chem 1995, 107 (22), 2746-2749; Nowick, J. S.et al., J Org Chem 1996, 61 (11), 3929-15 3934; Staab, H. A.; Benz, W.; Angew Chem 1961, 73); to isothiocyanate 5 via the following methods (Strekowski L.et al., J Heterocycl Chem 1996, 33 (6), 1685-1688; Kutschy, Pet al., Synlett 1997, (3), 289-290); to carbamoyl chloride 11 (after 1168 or 170 can be 20 reductively aminated with an R<sup>2</sup> group) (Hintze, F.; Hoppe, D.; Synthesis (1992) 12, 1216-1218); to thiocarbamoyl chloride 11 (after 168 or 170 can be reductively aminated with an R<sup>2</sup> group) (Ried, W.; Hillenbrand, H.; Oertel, G.; Justus Liebigs Ann Chem 1954, 590); or just used as 9, or 10 (after 168 or 170 25 can be reductively aminated with an R<sup>2</sup> group), in synthesizing the compounds of this invention by the methods depicted in Scheme 1.

Likewise, protected aminobromobenzenes or triflates 5 or protected aminobromoheterocycles or triflates 171 (Scheme 40) may undergo Suzuki-type couplings with arylboronic acids or heterocyclic boronic acids (172). These same bromides or triflates 171 may also undergo Stille-type coupling (Echavarren, A. M., Stille, J.K. J. 10 Am. Chem. Soc., 1987, 109, 5478-5486) with aryl, vinyl, or heterocyclic stannanes 175. Bromides or triflates 171 may also undergo Negishi-type coupling with other aryl or heterocyclic bromides 176 (Negishi E. Accts. Chem. Res. 1982, 15, 340; M. Sletzinger, et al., Tet. Lett. 1985, 15 26, 2951). Deprotection of the amino group yields an amine with can be coupled to make a urea and other linkers containing Z as described above and for Scheme 1. Amino protecting groups include phthalimide, 2,4-dimethyl pyrrole (S. P. Breukelman, et al. J. Chem. Soc. Perkin 20 Trans. I, 1984, 2801); N-1,1,4,4-Tetramethyldisilylazacyclopentane (STABASE) (S. Djuric, J. Venit, and P.

Magnus Tet. Lett 1981, 22, 1787) and others familiar to one skilled in the art.

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Many amines are commercially available and can be used as 9, 10, or used as precursors to isocyanates or isothiocyanates 5. There are numerous methods for the synthesis of non-commercially available amines familiar 10 to one skilled in the art. For example, aldehydes and ketones may be converted to their O-benzyl oximes and then reduced with LAH to form an amine (Yamazaki, S.; Ukaji, Y.; Navasaka, K.; Bull Chem Soc Jpn 1986, 59, 15 525). Ketones and trifluoromethylketones undergo reductive amination in the presence of TiCl4 followed by NaCNBH4 to yield amines (Barney, C.L., Huber, E.W., McCarthy, J.R. Tet. Lett. 1990, 31, 5547-5550). Aldehydes and ketones undergo reductive amination with 20 Na(AcO)3BH as mentioned previously to yield amines (Abdel-Magid, A. F., et al. Tet. Lett. 1990, 31, (39) 5595-5598). Amines may also be synthesized from aromatic and heterocyclic OH groups (for example, phenols) via the Smiles rearrangement (Weidner, J.J., Peet, N.P. J. Het.

Chem., 1997, 34, 1857-1860). Azide and nitrile

displacements of halides, tosylates, mesylates, triflates, etc. followed by LAH or other types or reduction methods yield amines. Sodium diformyl amide (Yinglin, H., Hongwen, H. Synthesis 1989 122), potassium phthalimide, and bis-BOC-amine anion can all displace halides, tosylates, mesylates, etc., followed by standard deprotection methods to yield amines, procedures which are familiar to one skilled in the art. Other methods to synthesize more elaborate amines involve the Pictet-10 Spengler reaction, imine/immonium ion Diels-Alder reaction (Larsen, S.D.; Grieco, P.A. J. Am. Chem. Soc. 1985, 107, 1768-69; Grieco, P.A., et al., J. Org. Chem. 1988, 53, 3658-3662; Cabral, J. Laszlo, P. Tet. Lett. 1989, 30, 7237-7238; amide reduction (with LAH or 15 diborane, for example), organometallic addition to imines (Bocoum, A. et al., J. Chem. Soc. Chem. Comm. 1993, 1542-4) and others all of which are familiar to one skilled in the art.

Compounds where Z = N-CN,  $CHNO_2$ , and  $C(CN)_2$  can be synthesized by the methods shown in Scheme 41. 20 amine 108 reacts with malononitrile 179 neat or in an inert solvent at room temperature to the reflux temperature of the solvent, or at the melting point of the solid/solid mixture, to yield malononitrile 178. 25 This in turn can undergo reaction with amine 177 under similar conditions stated just above to yield molononitrile 181. Likewise, a similar reaction sequence may be used to make 184 and 187 [for Z = C(CN) 2], see for example P. Traxler, et al., J. Med. Chem. (1997), 40, 3601-3616; for Z = N-CN, see K. S. Atwal, J. Med. Chem. 30 (1998) 41, 271; for Z = CHNO<sub>2</sub>, see J. M. Hoffman, et al., J. Med. Chem. (1983) <u>26</u>, 140-144).

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$$+ R^{2}R^{3}NH$$
 $+ R^{2}R^{3}NH$ 
 $+ R^{3}R^{4}R^{2}$ 
 $+ R^{4}R^{2}R^{2}$ 
 $+$ 

Additionally, the starting materials in the Schemes 6 through 29 can be modified with an a one-carbon longer or shorter length chain or ring size starting material and be applicable to the synthesis of five and sevenmembered ring analogs. In some of the synthetic schemes, an intermediate may be easily modified to lengthen or shorten the chain length as shown in Scheme 42. To homologate alcohol 188, the mesylate can be displaced with cyanide. Lithium aluminum hydride reduction of the nitrile can give the amine 189. Alternatively, basic hydrolysis of the nitrile and lithium aluminum hydride

reduction of the resulting acid can give the alcohol 190. To decrease the chain by one carbon, the mesylate of alcohol 188 can be eliminated to the olefin which upon treatment with ozone and reductive workup can give alcohol 191. In those schemes where an olefin can be hydroborated, to reduce the chain size by one carbon, the hydroboration step may be replaced with ozonolysis with an reductive workup (not shown in Scheme 42).

# 3) LiAlH<sub>4</sub> RCHR'CH<sub>2</sub>CH<sub>2</sub>NH<sub>2</sub> 189 RCHR'CH<sub>2</sub>OH 1) MsCl 2) KCN 3) NaOH, 4) LiAlH<sub>4</sub> RCHR'CH<sub>2</sub>CH<sub>2</sub>OH 190 1) MsCl 2) DBU 3) O<sub>3</sub>, NaBH<sub>4</sub> RCHR'OH 191

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Scheme 43 describes the synthesis of carbamate- and urea-containing heterocycles. Olefin 70 can undergo ozonolysis with reductive workup, mesylate formation, azide displacement and catalytic reduction to give amine 192. Selective fluoride deprotection followed by ring closure with carbonyl diimidazole (Kaiser, A.; Balbi, M.; Tetrahedron: Asymmetry 1999, 10(5), 1001) can give carbamate 193. Fluoride deprotection and Swern oxidation completes the synthesis of aldehyde 194. Alternatively, oxidation with PDC can give acid 195. While only one regioisomer and ring size is shown, other regioisomers and ring sizes can be prepared by varying the chain lengths relative to the chiral centers as shown in the preceding schemes and then performing the ring closure.

#### Scheme 43

Scheme 44 describes the preparation of cyclic ureas, olefin 70 can undergo ozonolysis with reductive workup, mesylate formation, azide displacement and selective fluoride deprotection to give azide 196. Mesylate formation, azide displacement, catalytic hydrogenation followed by ring closure with carbonyl diimidazole can give urea 197. Fluoride deprotection and Swern oxidation completes the synthesis of aldehyde 198. Alternatively, oxidation with PDC can give acid 199.

#### Scheme 44

#### Scheme 45

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The regioisomeric 3,4-disubstituted dihydropyrans prepared in Scheme 11 can also be prepared using the route shown in Scheme 45. Acid-catalyzed transesterification of  $\gamma$ -butyrolactone  $\underline{200}$  can provide the hydroxyester  $\underline{201}$ , which can undergo rhodium-catalyzed carbene insertion to provide the diester  $\underline{202}$ . Dieckmann cyclization can provide the ketoester  $\underline{203}$ , which can be converted to the  $\beta$ -aminoester  $\underline{205}$  as already described for the preparation of other  $\beta$ -aminoesters. The transisomer can be obtained either by reduction of the intermediate enamine  $\underline{204}$  with sodium

triacetoxyborohydride followed by base-catalyzed epimerization as already described, or by reduction of 204 with triethylsilane in trifluoroacetic acid. The ester can then be hydrolyzed to the acid 206, followed by coupling to give the amide 207. The benzyl group can be removed by hydrogenolysis to the amine 208, followed by reduction of the amide to 209 and reaction with an isocyanate or carbamate to provide the products 210.

#### 10 Scheme 46

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A number of 5-membered heterocyclic  $\beta$ -ketoesters can be prepared using methods demonstrated in the literature, 15 and converted to the analogous products using reaction sequences similar to those already described. For example as in Scheme 46, methyl 4-keto-tetrahydrothiophene-3carboxylate 211 and methyl 3-keto-tetrahydrothiophene-2carboxylate 212 can be prepared as described by 0. 20 Hromatka, D. Binder and K. Eichinger, Monatsheft. Chem. 1973, 104, 1520. Ethyl 4-ketopyrrolidine-3-carboxylate 213 and ethyl 3-ketopyrrolidine-2-carboxylate 214, bearing a carbamate protecting group on the ring nitrogen atom, may be prepared as described by J. Blake, C. D. Willson and H. Rapoport, J. Am. Chem. Soc. 1964, 86, 25 5293, and converted to various products using chemistry analogous to that already described.

A synthetic route to (3R, 4S)-4-[(R)-1-phenylethylamino]-pyrrolidine-1,3-dicarboxylic acid 1-tert-butyl ester 3-ethyl ester 215 has been described by

X. Wang, J. F. Espinosa and S. H. Gellman, J. Am. Chem. Soc. 2000, 122, 4821. A synthetic route to (2R, 3R)-3benzyloxycarbonylamino-pyrrolidine-1,2-dicarboxylic acid 1-tert-butyl ester 2-ethyl ester 216 has been described by S. H. Gellman, D. H. Appella, L. A. Christianson, D. A. Klein, S. Krauthauser, Y. J. Chung, and X. Wang, U. S. Pat. 6,060,585. The preparation of 1-substituted analogs of (3R,4S)-4-tert-butoxycarbonylamino-5-oxo-pyrrolidine-3-carboxylic acid benzyl ester 217 has been described by 10 D. S. Garvey, P. D. May and A. M. Nadzan, J. Org. Chem. 1990, 55, 936. The preparation of the enantiomer of Nbenzyl-N-[(2R,3R)-2-formyl-5-oxo-pyrrolidin-3-yl]acetamide 218 has been described by N. Langlois and M. Radom, Tetrahedron Lett 1998, 39, 857. These 15 intermediates may be converted to the corresponding final products using synthetic transformations disclosed herein.

#### EXAMPLES

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#### Example 1

## Part A: Preparation of 4-oxopiperidine-1,3-dicarboxylic acid 1-t-butyl ester 3-methyl ester

In a dry flask 4-oxo-3-piperidinecarboxylic acid 25 methyl ester hydrochloride (15.01 g, 77.52 mmol) was dissolved in tetrahydrofuran (100 mL) and triethylamine (22 mL, 158 mmol) was added. After stirring for 10 minutes, di-t-butyl dicarbonate (18.6 g, 85.2 mmol) was added and the reaction mixture was stirred for 6 hours. 30 The mixture was concentrated in vacuo, dissolved in ethyl acetate (50 mL) and extracted twice with water (25 mL). The aqueous extracts were combined and extracted with ethyl acetate (50 mL). The combined organic extracts were dried with magnesium sulfate, filtered and 35 concentrated in vacuo to give a light yellow oil (23.05 g, 100%) which was taken on without further purification. <sup>1</sup>H NMR (300 MHz, CDCl<sub>3</sub>),  $\delta$ : 11.97 (s, 1H), 4.05 (s, 2H),

3.78 (s, 3H), 3.57 (t, 2H, J = 6), 2.37 (t, 2H, J = 6), 1.48 (s, 9H).

## Part B: Preparation of (R)-4-(1-phenyl-ethylamino)-2,5-dihydro-2H-pyridine-1,3-dicarboxylic acid 1-tert-butyl ester 3-methyl ester

In a dry flask equipped with a Dean-Stark trap and reflux condenser, 4-oxopiperidine-1,3-dicarboxylic acid 1-t-butyl ester 3-methyl ester (23.05 g, 85.2 mmol) was dissolved in toluene (300 mL). (R)-(+)-a- Methylbenzylamine (12.5 mL, 97.0 mmol) and p-toluenesulfonic acid monohydrate (0.23 g, 1.21 mmol) were added and the mixture heated to reflux for 18 hours. The crude reaction mixture was concentrated in vacuo to give the desired amine (36.92 g, quantitative) as a thick orange oil.  $^1$ H NMR (300 MHz, CDCl<sub>3</sub>),  $\delta$ : 9.25 (d, 1H, J = 7), 7.26 (m, 5H), 4.61 (m, 1H), 4.06 (s, 2H), 3.72 (s, 3H), 3.41 (m, 1H), 3.30 (m, 1H), 2.39 (m, 1H), 2.04 (m, 1H), 1.50 (d, 3H, J = 7), 1.43 (s, 9H).

Part C: Preparation of (3S,4R)-4-[(R)-1-phenyl-

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ethylamino]-piperidine-1,3-dicarboxylic acid 1-tert-butylester 3-methyl ester

In a dry flask (R)-4-(1-phenyl-ethylamino)-2,5dihydro-2H-pyridine-1,3-dicarboxylic acid 1-tert-butyl ester 3-methyl ester (26.72 g crude, 85.2 mmol) was dissolved in acetonitrile (250 mL) and glacial acetic acid (190 mL) and cooled to 0°C. Triacetoxyborohydride (82.31 g, 388 mmol) was added in two portions over a 140minute period. The reaction mixture was allowed to stir at 0°C for 30 minutes. The reaction mixture was concentrated in vacuo, removing 170 mL of acetonitrile. The reaction mixture was neutralized by the sequential addition of 1N sodium hydroxide (50 mL), 2N sodium hydroxide (50 mL), 5.7 M sodium hydroxide (50 mL) and concentrated aqueous sodium hydroxide (150 mL) to maintain the internal temperature of the flask below 18°C. Water was added to dissolve the solid sodium

acetate. The resulting mixture was extracted with twice with dichloromethane (200 mL). The combined organic extracts were dried with magnesium sulfate, filtered, concentrated in vacuo, and then purified by flash chromatography with 20% ethyl acetate in hexanes to give a colorless oil (30.82 g, 83%). The  $^1$ H NMR showed a mixture of two rotation isomers. The major compound had the following  $^1$ H NMR (300 MHz, CDCl<sub>3</sub>),  $\delta$ : 7.32 (m, 4H), 7.24 (m, 1H), 4.00 (d, 1H, J = 9), 3.86 (q, 1H, J = 7), 3.72 (s, 3H), 3.67 (m, 1H), 3.16 (dd, 1H, J = 14, J' = 4), 2.98 (td, 1H, J = 12, J' = 4), 2.84 (m, 2H), 1.75 (m, 1H), 1.43 (s, 9H), 1.28 (d, 3H, J = 7), 1.26 (m, 1H).

#### Part D: Preparation of (3R,4R)-4-[(R)-1-phenylethylamino]-piperidine-1,3-dicarboxylic acid 1-tert-butyl ester 3-ethyl ester

In a dry flask (3S,4R)-4-[(R)-1-phenyl-ethylamino]piperidine-1,3-dicarboxylic acid 1-tert-butyl ester 3methyl ester (13.78 g, 38.0 mmol) was dissolved in

20 ethanol (400 mL) along with 3Å molecular sieves (1.04 g).
The mixture was heated to reflux over 2.5 hours.
Potassium carbonate (26.3 g) was added and refluxing
continued for 4 additional hours. The reaction mixture
was cooled, filtered through a bed of celite, and

25 concentrated in vacuo to give a crude oil (16.05 g).
Purification by flash column chromatography (20-50% ethyl
acetate/hexanes) provided a colorless oil (3.24 g, 23%).
Unepimerized ethyl ester was also isolated (7.55 g, 53%).

<sup>1</sup>H NMR (300 MHz, CDCl<sub>3</sub>), δ: 7.30 (m, 4H), 7.23 (m, 30 1H), 4.20 (m, 3H), 3.97 (bs, 1H), 3.82 (q, 1H, J = 6), 2.89 (m, 2H), 2.66 (t, 1H, J = 11), 2.31 (bs, 1H), 1.72 (m, 1H), 1.43 (s, 9H), 1.31 (m, 7H), 1.11 (m, 1H).

## Part E: Preparation of (3R,4R)-4-aminopiperidine-1,3-dicarboxylic acid 1-tert-butyl ester 3-ethyl ester

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In a dry 500-mL Paar flask charged with Palladium hydroxide (20 wt% Pd, dry basis, on carbon, 1.50 g) was added ethanol (75 mL) and (3R,4R)-4-[(R)-1-phenyl-

ethylamino]-piperidine-1,3-dicarboxylic acid 1-tert-butyl
ester 3-ethyl ester (4.30 g, 11.4 mmol). The reaction
mixture was hydrogenated at 53 psi for 20.5 hours with
vigorous shaking. The reaction mixture was filtered

5 through a plug of celite. The plug was washed with 20 mL
of ethanol and the combined filtrates were concentrated
in vacuo to give a colorless oil (3.07 g, 99%). ¹H NMR
(300 MHz, CDCl<sub>3</sub>), δ: 4.32 (bs, 1H), 4.19 (q, 2H, J = 7),
4.19 (bs, 1H), 3.08 (td, 1H, J = 11, J' = 3), 2.75 (bt,
10 2H, J = 14), 2.29 (td, 1H, J = 11, J' = 4), 1.89 (m, 1H),
1.46 (s, 9H), 1.38 (td, 1H, J = 12, J' = 5), 1.28 (t, 3H,
J = 7).

#### Part F: Preparation of (3R,4R)-4-benzyloxycarbonylaminopiperidine-1,3-dicarboxylic acid 1-tert-butyl ester 3ethyl ester

In a dry flask (3R,4R)-4-aminopiperidine-1,3dicarboxylic acid 1-tert-butyl ester 3-ethyl ester (3.07 g, 11.3 mmol) was dissolved in dichloromethane (100 mL) 20 and triethylamine (2.1 mL, 15.1 mmol) and benzyl chloroformate (2.0 mL, 12.6 mmol) were added. The mixture was stirred for 22 hours. Water (30 mL) was added and the layers separated. The aqueous layer was extracted with dichloromethane (30 mL). The combined 25 organic layers were dried with magnesium sulfate, filtered, and concentrated in vacuo to give a crude oil (4.91 g). Purification by flash column chromatography (40% ethyl acetate/hexanes) provided a colorless oil (2.37 g, 51%). <sup>1</sup>H NMR  $(300 \text{ MHz}, \text{CDCl}_3)$ ,  $\delta$ : 7.33 (m, 5H), 30 5.08 (s, 2H), 4.71 (s, 1H), 4.12 (m, 4H), 3.90 (m, 1H), 2.98 (bs, 1H), 2.85 (t, 1H, J = 13), 2.37 (m, 1H), 2.06(d, 1H, J = 7), 1.45 (s, 9H), 1.37 (m, 1H), 1.20 (t, 3H)J = 7).

#### 35 <u>Part G: Preparation of (3R,4R)-4-benzyloxycarbonylamino-</u> piperidine-1,3-dicarboxylic acid 1-tert-butyl ester

In a flask (3R,4R)-4-benzyloxycarbonylaminopiperidine-1,3-dicarboxylic acid 1-tert-butyl ester 3-

ethyl ester (2.98 g, 7.33 mmol) was dissolved in tetrahydrofuran (120 mL) and lithium hydroxide (15 mL of a 1N aqueous solution, 15 mmol) was added. The mixture was stirred for 68 hours. The reaction was concentrated in vacuo to one-third the original volume. Water (50 mL) and diethyl ether (50 mL) were added and the layers separated. The aqueous layer was extracted with diethyl ether twice (30 mL). The aqueous layer was acidified with aqueous hydrochloric acid (6.5 mL of a 2M solution) 10 and then extracted with ethyl acetate three times (30 The combined organic layers were dried with magnesium sulfate, filtered, and concentrated in vacuo to give a crude white solid (3.11 g) which was used without further purification.  $^{1}\text{H}$  NMR (300 MHz, CDCl3),  $\delta$ : 7.36 15 (m, 5H), 5.12 (m, 2H), 4.91 (bs, 1H), 4.24 (bs, 1H), 4.09 (bs, 1H), 3.92 (bs, 1H), 3.01 (bs, 1H), 2.87 (m, 1H), 2.44 (m, 1H), 2.05 (bs, 1H), 1.45 (s, 9H), 1.40 (m, 1H).

#### Part H: Preparation of t-Butyl 3-oxo-1-piperidinecarboxylate

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To a stirring solution of N-benzyl-3-piperidone hydrochloride hydrate (4.2 g, 18.6 mmol) and 10 % palladium on carbon (0.8 g) in degassed methanol (200 mL) was added hydrogen gas to 55 psi. The reaction mixture was stirred for 16 hr and then filtered through a pad of celite. The celite was washed with methanol (200 mL). The filtrates were combined and concentrated in vacuo to a colorless oil. The oil was dissolved in tetrahydrofuran (200 mL) and then treated with di-tbutyl-dicarbonate (5.27 g, 24.1 mmol) and saturated aqueous. sodium bicarbonate (50 mL). The reaction was stirred for 4 hr and then concentrated in vacuo to a white solid. The solid was partitioned between ethyl acetate and 1N hydrochloric acid. The organic layer was separated, washed with 1N sodium hydroxide and brine, dried over Na<sub>2</sub>SO<sub>4</sub>, and evaporated in vacuo to a colorless The oil was purified by flash chromatography (silica gel, hexane:ethyl acetate 3:1) to yield 2.93 g as a colorless oil.  $^{1}$ H NMR (300 MHz, CDCl<sub>3</sub>)  $\delta$  3.99 (s, 2H), 3.58 (t, J = 6, 2H), 2.46 (t, J = 6, 2H), 1.97 (p, J = 6, 2H), 1.45 (s, 9H).

#### 5 Part I: Preparation of t-Butyl 3-(4-fluorobenzylidene)-1-piperidinecarboxylate

To a stirring solution of (4-fluorophenylmethyl)triphenylphosphonium chloride (17.68 g, 43.5 mmol) in dry tetrahydrofuran (60 mL) at -78 °C was added 2.5 M nbutyllithium in hexane (14.6 mL, 36.5 mmol). The 10 reaction was warmed to 0C for 1 hr and t-Butyl 3-oxo-1piperidinecarboxylate (3.46 g, 17.4 mmol) in tetrahydrofuran (60 mL) was added. The mixture was stirred at room temperature for 1 hr and the heated to 15 reflux for 16 hr. The reaction was cooled to room temperature and quenched by the addition of saturated aqueous ammonium chloride. The reaction was extracted with ethyl acetate three times (100 mL). The organic layers were combined, washed with brine, dried over 20 magnesium sulfate, and evaporated in vacuo to a pale yellow oil. The oil was purified by flash chromatography (silica gel, hexane:ethyl acetate 9:1) to yield 3.82 g of a mixture of E and Z isomers as a colorless oil. <sup>1</sup>H NMR  $(300 \text{ MHz}, \text{CDCl}_3) \delta 7.22-7.14 \text{ (m, 2H)}, 7.04-6.98 \text{ (m, 2H)},$ 25 6.36 (s, 0.33H), 6.28 (s, 0.67H), 4.14 (s, 1.34 H), 4.00 (s, 0.66H) 3.50 (t, J = 5, 2H), 2.47 (t, J = 5, 0.66 H),2.39 (t, J = 5, 1.34H), 1.75-1.68 (m, 1.34H), 1.65-1.57(m, 0.66H), 1.48 (s, 9H).

## 30 Part J: Preparation of t-Butyl (±)-3-(4-fluorobenzyl)-1-piperidinecarboxylate

To a stirring solution of the t-Butyl 3-(4-fluorobenzylidene)-1-piperidinecarboxylate (3.82 g, 13.1 mmol) and 10 % palladium on carbon (0.76 g) in degassed methanol (200 mL) was added hydrogen gas to 55 psi. The reaction was stirred for 16 h and then filtered through a pad of celite. The celite was washed with methanol (200 mL). The filtrates were combined and concentration

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in vacuo to yield 2.76 g as a colorless oil.  $^1H$  NMR (300 MHz, CDCl<sub>3</sub>)  $\delta$  7.12-7.07 (m, 2H), 6.98-6.93 (m, 2H), 3.89 (dt, J = 13, J' = 4, 1H), 3.84-3.74 (m, 1H), 2.57-2.43 (m, 4H), 1.75-1.60 (m, 4H), 1.42 (s, 9H), 1.15-1.09 (m, 1H).

## Part K: Preparation of (3S)-3-(4-fluorobenzyl)piperidine, mandelic acid salt

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N-BOC-3-(4-fluorobenzyl)piperidine (5 g) was

dissolved in 30 mL of 4N hydrochloric acid in dioxane.

Some initial gassing occurred which eventually subsided.

After one hour, the mixture was neutralized with aqueous Na<sub>2</sub>CO<sub>3</sub>, and the dioxane was evaporated off. The residue was then extracted with ether. The combined ether

extracts were dried over magnesium sulfate and evaporated off to give 2.6 g of the free amine as a discolored oil. This crude material was used to make the diastereomeric salts.

Resolution of 3-(4-fluorobenzyl)piperidine

20 The crude racemic 3-(4-fluorobenzyl)piperidine (2.0 g) was dissolved in 25 mL acetonitrile and heated to reflux. The solution was hazy. To this was added 1.56 g (1 equiv.) of (R)-(-) mandelic acid dissolved in 15 mL acetonitrile. Some initial precipitation occurred when the cooler solution was added but it did redissolve when 25 refluxing resumed. The heat was turned off and small amounts of enantiomerically pure salt was added as the temperature dropped. At first the seed crystals dissolved, but when the temperature dropped to 75 °C, 30 they remained suspended in the stirred solution. After a few more degrees of cooling, crystal growth was obvious. Cooling was continued at the rate of 1 degree/min. <sup>e</sup>C, the solution was filtered to recover 0.9 g of salt, which melted at 164 °C. It was recrystallized from acetonitrile twice to give (S)-(+)-3-(4-35 fluorobenzyl)piperidine mandelic acid salt in 98% ee, and melting at 168-171 °C.

#### Part L: Preparation of (3R,4R)-4-benzyloxycarbonylamino-3-[(S)-3-(4-fluoro-benzyl)-piperidine-1-carbonyl]piperidine-1-carboxylic acid t-butyl ester

(S)-3-(4-fluorobenzyl)-piperidine, mandelic acid salt (4.33 g, 12.5 mmol) is dissolved in 1N sodium hydroxide (100 mL) and extracted with ethyl acetate (50 mL) three times. The combined organic extracts were dried with magnesium sulfate, filtered, concentrated in vacuo and used without further purification.

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0.87 (m, 1H).

In a flask (3R, 4R)-4-benzyloxycarbonylaminopiperidine-1,3-dicarboxylic acid 1-tert-butyl ester (3.93 g, 10.4 mmol) was dissolved in dichloromethane (200 mL) and then benzotriazol-1-yloxy-tripyrrolidinophosphonium hexafluorophosphate (6.48 g, 12.5 mmol) and triethylamine (3.3 mL, 23.7 mmol) were added. After stirring for 5 minutes, (S)-3-(4-fluorobenzyl)-piperidine (2.21 g, 11.4 mmol) was added. The mixture was stirred for 16 hours. The reaction mixture was extracted with water (50 mL) and brine (50 mL). The organic layer was dried with magnesium sulfate, filtered, and concentrated in vacuo to give a crude orange glass (10.49 g). Purification by flash column chromatography (50-70% ethyl acetate/hexanes) provided a colorless oil (4.79 g, 83%). <sup>1</sup>H NMR (300 MHz, CDCl<sub>3</sub>),  $\delta$ : 7.32 (m, 2H), 7.26 (m, 3H), 7.07 (m, 2H), 6.95 (m, 2H), 5.04 (m, 2H), 4.41 (d, 1H, J = 13), 4.12 (bm, 2H), 3.83 (bm, 2H), 3.06 (bm, 1H), 2.76 (bs, 2H), 2.60 (dd, 2H, J = 14, J' = 6), 2.37 (m, 2H), 1.90 (bs, 1H), 1.63 (bm, 2H), 1.45 (m, 9H), 1.12 (m, 3H),

# Part M: Preparation of (3R,4R)-4-amino-3-[(S)-3-(4-fluoro-benzyl)-piperidine-1-carbonyl]-piperidine-1-carboxylic acid t-butyl ester

In a dry 500-mL Paar flask charged with 10 wt% palladium on carbon (0.050 g) and (3R,4R)-4-benzyloxycarbonylamino-3-[(S)-3-(4-fluoro-benzyl)-piperidine-1-carboxylic acid t-

Part N: Preparation of (3R,4R)-4-[3-(3-acetyl-phenyl)-ureido]-3-[(S)-3-(4-fluoro-benzyl)-piperidine-1-

15 <u>carbonyl]-piperidine-1-carboxylic acid t-butyl ester</u>

In a dry flask (3R,4R)-4-amino-3-[(S)-3-(4-fluoro-benzyl)-piperidine-1-carbonyl]-piperidine-1-carboxylic acid t-butyl ester (56 mg, 0.133 mmol) was dissolved in tetrahydrofuran (2 mL) and triethylamine (24 μL, 0.172

- mmol) and 3-acetylphenylisocyanate (22  $\mu$ L, 0.160 mmol) were added. The reaction mixture was stirred for 17 hours. One-half of the original reaction mixture (1 mL) was concentrated in vacuo then purified by preparative reverse-phase HPLC (10-80% acetonitrile in water with
- 0.05% trifluoroacetic acid) to give a white amorphous solid (24 mg, 62%).  $^{1}$ H NMR (400 MHz, DMSO, 120°C),  $\delta$ : 8.32 (s, 1H), 7.91 (t, 1H, J = 2), 7.58 (m, 1H), 7.48 (m, 1H), 7.33 (t, 1H, J = 8), 7.15 (m, 2H), 6.99 (m, 2H), 5.98 (d, 1H, J = 10), 4.04 (bd, 1H, J = 13), 3.89 (bm,
- 30 4H), 3.20 (bs, 2H), 2.96 (m, 2H), 2.86 (m, 2H), 2.50 (s, 3H), 2.46 (m, 2H), 1.90 (m, 1H), 1.62 (bm, 4H), 1.43 (2s, 9H), 1.20 (m, 1H). HRMS (ESI),  $C_{32}H_{42}FN_4O_5$  m<sup>+</sup>/z: calc. = 581.3139, found = 581.3141.

#### Example 2

Preparation of 1-(3-acetyl-phenyl)-3-{(3R,4R)-3-[(S)-3-(4-fluoro-benzyl)-piperidine-1-carbonyl]-piperidin-4-yl}-urea, trifluoroacetic acid salt

5 In a dry flask (3R,4R)-4-[3-(3-acetyl-phenyl)ureido]-3-[(S)-3-(4-fluoro-benzyl)-piperidine-1carbonyl]-piperidine-1-carboxylic acid t-butyl ester 24 mg, 0.041 mmol in 1 mL of tetrahydrofuran) was concentrated in vacuo, redissolved in dichloromethane (1 mL), and trifluoroacetic acid (0.5 mL) was added. 10 reaction mixture was stirred for 5 hours. The reaction mixture was concentrated in vacuo then purified by preparative reverse-phase HPLC (10-80% acetonitrile in water with 0.05% trifluoroacetic acid) to give a white amorphous solid (22 mg, 89%). H NMR (400 MHz, DMSO, 15 120°C),  $\delta$ : 8.44 (bm, 3H), 7.96 (bs, 1H), 7.59 (m, 1H),  $7.51 \, (m, 1H), 7.36 \, (t, 1H, J = 8), 7.16 \, (m, 2H), 7.01 \, (t, 1H), 7.01$ 2H, J = 9), 6.60 (d, 1H, J = 7), 4.17 (d, 1H, J = 13), 4.08 (bs, 1H), 3.90 (m, 1H), 3.43 (bs, 1H), 3.23 (m, 2H), 3.13 (m, 2H), 3.04 (bs, 2H), 2.51 (s, 3H), 2.46 (m, 2H), 20  $1.97 \, (m, 2H), 1.67 \, (bd, 3H, J = 9), 1.42 \, (bs, 1H), 1.19$ (m, 1H). HRMS (ESI),  $C_{27}H_{34}FN_4O_3$  m<sup>+</sup>/z: calc. = 481.2615, found = 481.2614.

#### 25 Example 3

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#### Part A: Preparation of N-methyl-3-nitro-benzamide

In a dry flask 3-nitrobenzoyl chloride (7.00 g, 37.7 mmol) was dissolved in tetrahydrofuran (300 mL) and methylamine (41.5 mL of a 2.0 M solution in tetrahydrofuran, 82.9 mmol) was added. The reaction mixture was stirred for 2 hours. The reaction mixture was diluted with ethyl acetate (500 mL) and extracted with water three times (100 mL). The organic layer was dried with sodium sulfate, filtered, and concentrated in vacuo. The crude solid (6.38 g, 94%) was used with further purification.  $^{1}$ H NMR (300 MHz, CDCl<sub>3</sub>),  $\delta$ : 8.84 (bs, 1H), 8.67 (m, 1H), 8.37 (dd, J = 8, J' = 2, 1H),

8.28 (d, J = 7, 1H), 7.78 (dd, J = 8, J' = 7, 1H), 2.83 (m, 3H). MS (ESI),  $m^{+}/z$ :  $(M+H)^{+} = 181$ .

## Part B: Preparation of 1-methyl-5-(3-nitrophenyl)tetrazole

In a dry flask N-methyl-3-nitro-benzamide (30.0 g, 167 mmol) was dissolved in acetonitrile (835 mL) and sodium azide (10.9 g, 167 mmol) was added and the reaction cooled in an ice bath. Triflic anhydride (29 10 mL, 172 mmol) was added dropwise to maintain the internal temperature below 3 °C. The reaction mixture was stirred for 3.5 hours at 0°C. The reaction mixture was poured into 1N aqueous sodium hydroxide (100 mL). The organic layer was separated dried with sodium sulfate, filtered, 15 and concentrated in vacuo to 50 mL. The solution was diluted with dichloromethane and added water to precipitate a yellow solid (18.46 g, 54%). A second crop of crystals was obtained by concentrated the filtrate in vacuo and adding it to boiling ethyl acetate. Upon 20 cooling to 0 °C, 6.07 g (18%) of additional material was isolated upon filtration. further purification. <sup>1</sup>H NMR (300 MHz, CDCl<sub>3</sub>),  $\delta$ : 8.67 (m, 1H), 8.49 (dd, J = 8, J' = 2, 1H), 8.31 (d, J = 8, 1H), 7.94 (dd, J = 8, J' = 8, 1H), 4.22 (s, 3H).

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## Part C: Preparation of 1-methyl-5-(3-aminophenyl)tetrazole

In a Paar flask 1-methyl-5-(3-nitrophenyl)-tetrazole (28.8 g, 140 mmol) was dissolved in ethyl acetate (430 mL) and methanol (1270 mL) and added to palladium on carbon (2.7 g, 10 wt%). The reaction mixture was hydrogenated for 1.5 hours with vigorous shaking. The reaction mixture was filtered, and concentrated in vacuo to give a white solid (24.0 g, 98%) was used with further purification.  $^{1}$ H NMR (300 MHz, CDCl<sub>3</sub>),  $\delta$ : 7.21 (dd, J = 8, J' = 7, 1H), 6.99 (s, 1H), 6.90 (d, J = 7, 1H), 6.76 (d, J = 8, 1H), 5.44 (bs, 2H), 4.10 (s, 3H).

## Part D: Preparation of [3-(1-methyl-1H-tetrazol-5-yl)-phenyl]-carbamic acid phenyl ester

In a dry flask of 1-methyl-5-(3-aminophenyl)-5 tetrazole (24.0 g, 137 mmol) was dissolved in dichloromethane (1.4 L) and 2,6-lutidine (44.1 g, 411 mmol) was added. Phenyl chloroformate (21.2 g, 136 mmol) was added in 4 portions over 15 minutes, then the reaction was stirred for 1.5 hours. The reaction was 10 poured into 1N aqueous hydrochloric acid (200 mL) and the mixture was extracted with dichloromethane three times (200 mL). The combined organic layers were washed with brine, dried with sodium sulfate, filtered, and concentrated in vacuo. The crude brown material was dissolved in hot toluene, filtered, and allowed to 15 precipitate at 0°C to give 34.1 g of a white solid. filtrate was concentrated and recrystallized from toluene again to give an additional crop of off-white crystals (3.44 g, 93% total). <sup>1</sup>H NMR (300 MHz, CDCl<sub>3</sub>),  $\delta$ : 10.51 20 (bs, 1H), 8.01 (s, 1H), 7.71 (dt, J = 7, J' = 2, 1H),  $7.55 \, (m, 2H), \, 7.41 \, (m, 2H), \, 7.24 \, (m, 2H), \, 4.14 \, (s, 3H).$ 

# Part E: Preparation of (3R,4R)-3-[(S)-3-(4-fluoro-benzyl)-piperidine-1-carbonyl]-4-{3-[3-(1-methyl-1H-tetrazol-5-yl)-phenyl]-ureido}-piperidine-1-carboxylic

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acid t-butyl ester

In a dry flask (3R,4R)-4-amino-3-[(S)-3-(4-fluorobenzyl)-piperidine-1-carbonyl]-piperidine-1-carboxylic acid t-butyl ester (350 mg, 0.834 mmol) was dissolved in dimethylformamide (5 mL) and [3-(1-methyl-1H-tetrazol-5-yl)-phenyl]-carbamic acid phenyl ester (285 mg, 0.965 mmol) was added. The reaction mixture was stirred for 19 hours. The reaction mixture was diluted with ethyl acetate and extracted three times with water. The combined aqueous extracts were extracted with ethyl acetate. The combined organic extracts were washed with brine, dried with sodium sulfate, filtered and concentrated in vacuo. The resulting oil was purified by

flash column chromatography with 70-100% ethyl acetate/hexanes to give a solid (387 mg, 75%). A small amount was further purified by preparative reverse-phase HPLC (10-80% acetonitrile in water with 0.05% trifluoroacetic acid) to give a white amorphous solid (33 mg, 62%). <sup>1</sup>H NMR (300 MHz, CDCl<sub>3</sub>), δ: 7.88 (m, 1H), 7.49 (m, 2H), 7.40 (m, 1H), 7.19 (m, 1H), 7.01 (m, 1H), 6.95 (m, 1H), 6.86 (m, 1H), 4.31 (m, 1H), 4.17 (s, 3H), 4.03 (m, 4H), 3.16 (m, 1H), 3.05 (m, 1H), 2.88 (m, 3H), 2.67 (m, 1H), 2.50 (m, 2H), 2.37 (m, 1H), 1.95 (m, 1H), 1.65 (m, 5H), 1.47 (s, 9H), 1.23 (m, 1H). HRMS (ESI), C<sub>32</sub>H<sub>42</sub>FN<sub>8</sub>O<sub>4</sub> m<sup>+</sup>/z: calc. = 621.3313, found = 621.3337.

#### Example 4

Preparation of  $1-\{(3R,4R)-3-[(S)-3-(4-fluoro-benzyl)-$ 15 piperidine-1-carbonyl]-piperidin-4-yl}-3-[3-(1-methyl-1Htetrazol-5-yl)-phenyl]-urea, trifluoroacetic acid salt In a dry flask (3R,4R)-3-[(S)-3-(4-fluoro-benzyl)piperidine-1-carbonyl]-4-{3-[3-(1-methyl-1H-tetrazol-5-20 yl)-phenyl]-ureido}-piperidine-1-carboxylic acid t-butyl ester (348 mg, 0.561 mmol) was dissolved in dichloromethane (8 mL), and trifluoroacetic acid (3 mL) The reaction mixture was stirred for 2.5 was added. hours. The reaction mixture was concentrated in vacuo 25 then a small quantity was purified by preparative reverse-phase HPLC (10-80% acetonitrile in water with 0.05% trifluoroacetic acid) to give a white amorphous solid (37 mg). <sup>1</sup>H NMR (300 MHz, CD<sub>3</sub>OD),  $\delta$ : 7.95 (d, 1H, J = 10), 7.50 (m, 3H), 7.12 (m, 2H), 6.91 (m, 2H), 4.34 30 (bm, 2H), 4.16 (s, 3H), 3.99 (m, 1H), 3.55 (m, 1H), 3.38 (m, 3H), 3.15 (m, 2H), 2.96-2.61 (m, 1H), 2.47 (m, 2H), 2.07 (bm, 2H), 1.77 (m, 2H), 1.47 (bm, 2H), 1.24 (m, 1H). HRMS (ESI),  $C_{27}H_{34}FN_8O_2$  m<sup>+</sup>/z: calc. 521.2789, found = 521.2803.

#### Example 5

Preparation of 1-{1-(2,2-Dimethyl-propionyl)-3-[(3R,4R)-3-((S)-4-fluoro-benzyl)-piperidine-1-carbonyl]-piperidin-4-yl}-3-[3-(1-methyl-1H-tetrazol-5-yl)-phenyl]-urea

In a dry flask 1-{(3R,4R)-3-[(S)-3-(4-fluorobenzyl)-piperidine-1-carbonyl]-piperidin-4-yl}-3-[3-(1-methyl-1H-tetrazol-5-yl)-phenyl]-urea (63 mg, 0.10 mmol) was dissolved in dichloromethane (2 mL), and then triethylamine (70  $\mu$ L, 0.50 mmol) and trimethylacetyl

10 chloride (18 μL, 0.15 mmol) were added. The reaction mixture was stirred for 19 hours. The reaction mixture was concentrated in vacuo then was purified by preparative reverse-phase HPLC (10-80% acetonitrile in water with 0.05% trifluoroacetic acid) to give a white

amorphous solid (42 mg, 70%).  $^1$ H NMR (300 MHz, CDCl $_3$ ),  $\delta$ : 8.35 (s, 1H), 7.89 (t, 1H, J = 2), 7.54 (dq, 1H, J = 8, J' = 1), 7.44 (t, 1H, J = 8), 7.34 (dt, 1H, J = 8, J' = 1), 7.15 (m, 2H), 6.99 (t, 2H, J = 9), 6.00 (d, 1H, J = 8), 4.22 (m, 2H), 4.12 (s, 3H), 4.05 (d, 2H, J = 14),

3.93 (m, 1H), 3.00 (m, 3H), 2.83 (m, 1H), 2.68 (t, 1H, J = 11), 2.56 (dd, 1H, J = 14, J' = 6), 2.45 (dd, 1H, J = 14, J' = 7), 1.99 (m, 1H), 1.66 (m, 4H), 1.39 (m, 1H), 1.24 (s, 9H), 1.20 (m, 1H). HRMS (ESI),  $C_{32}H_{42}FN_8O_3$  m<sup>+</sup>/z: calc. 605.3363, found = 605.3377.

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#### Example 6

Preparation of 1-{1-Acetyl-3-[(3R,4R)-3-((S)-4-fluoro-benzyl)-piperidine-1-carbonyl]-piperidin-4-yl}-3-[3-(1-methyl-1H-tetrazol-5-yl)-phenyl]-urea

In a dry flask 1-{(3R,4R)-3-[(S)-3-(4-fluorobenzyl)-piperidine-1-carbonyl]-piperidin-4-yl}-3-[3-(1-methyl-1H-tetrazol-5-yl)-phenyl]-urea (65 mg, 0.10 mmol) was dissolved in dichloromethane (2 mL), and then triethylamine (70  $\mu$ L, 0.50 mmol) and acetyl chloride (11  $\mu$ L, 0.15 mmol) were added. The reaction mixture was stirred for 17 hours. The reaction mixture was concentrated in vacuo then was purified by preparative

reverse-phase HPLC (10-80% acetonitrile in water with 0.05% trifluoroacetic acid) to give a white amorphous solid (37 mg, 64%). <sup>1</sup>H NMR (400 MHz, DMSO-d6, 140 °C),  $\delta$ : 8.39 (s, 1H), 7.89 (t, 1H, J = 2), 7.54 (dq, 1H, J = 8, J' = 1), 7.44 (t, 1H, J = 8), 7.35 (dt, 1H, J = 8, J' = 1), 7.15 (m, 2H), 6.99 (td, 2H, J = 9, J' = 2), 6.01 (d, 1H, J = 8), 4.12 (s, 3H), 4.02 (bm, 5H), 2.99 (bm, 4H), 2.60 (bm, 2H), 2.44 (dd, 1H, J = 14, J' = 7), 2.01 (s, 3H), 1.95 (d, 1H, J = 10), 1.66 (m, 4H), 1.39 (m, 1H), 1.19 (m, 1H). HRMS (ESI),  $C_{25}H_{36}FN_{8}O_{3}$  m\*/z: calc. 563.2894, found = 563.2865.

#### Example 7

Preparation of 1-{(3R,4R)-3-[(S)-3-(4-Fluoro-benzyl)
piperidine-1-carbonyl]-1-methanesulfonyl-piperidin-4-yl}
3-[3-(1-methyl-1H-tetrazol-5-yl)-phenyl]-urea

In a dry flask  $1-\{(3R,4R)-3-[(S)-3-(4-fluoro$ benzyl)-piperidine-1-carbonyl]-piperidin-4-yl}-3-[3-(1methyl-1H-tetrazol-5-yl)-phenyl]-urea (67 mg, 0.11 mmol) was dissolved in dichloromethane (2 mL), and then 20 triethylamine (65 •L, 0.47 mmol) and methanesulfonyl chloride (9  $\mu$ L, 0.11 mmol) were added. The reaction mixture was stirred for 25 minutes. The reaction mixture was concentrated in vacuo then was purified by 25 preparative reverse-phase HPLC (10-80% acetonitrile in water with 0.05% trifluoroacetic acid) to give a white amorphous solid (38 mg, 60%). H NMR NMR (400 MHz, DMSOd6, 140 °C),  $\delta$ : 8.37 (s, 1H), 7.89 (t, 1H, J = 2), 7.54 (d, 1H, J = 6), 7.44(t, 1H, J = 8), 7.35(m, 1H), 7.1430 (m, 2H), 6.99 (t, 2H, J = 9), 6.05 (d, 1H, J = 8), 4.12(s, 3H), 4.05 (d, 2H, J = 14), 3.85 (m, 1H), 3.63 (m,2H), 3.16 (td, 1H, J = 10, J' = 4), 2.90 (m, 3H), 2.88(s, 3H), 2.66 (m, 1H), 2.56 (dd, 1H, J = 14, J' = 6),2.44 (dd, 1H, J = 14, J' = 8), 2.01 (m, 1H), 1.79 (qd,35 1H, J = 13, J' = 4), 1.65 (bs, 3H), 1.40 (m, 1H), 1.20 (m, 1H). HRMS (ESI),  $C_{28}H_{36}FN_8O_4S$   $m^*/z$ : calc. 599.2564, found = 599.2586.

#### Example 8

Preparation of 1-{(3R,4R)-3-[(S)-3-(4-Fluoro-benzyl)-piperidine-1-carbonyl]-1-methyl-piperidin-4-yl}-3-[3-(1-methyl-1H-tetrazol-5-yl)-phenyl]-urea, trifluoroacetic acid salt

In a dry flask  $1-\{(3R,4R)-3-[(S)-3-(4-fluoro$ benzyl)-piperidine-1-carbonyl]-piperidin-4-yl}-3-[3-(1methyl-1H-tetrazol-5-yl)-phenyl]-urea (68 mg, 0.11 mmol) was dissolved in dichloroethane (4 mL), and then a 10 solution of formaldehyde (250 µL in tetrahydrofuran) was The reaction mixture was stirred for 11 minutes then triacetoxyborohydride (36 mg, 0.17 mmol) was added. The mixture was stirred an additional 4.5 hours. reaction was quenched with saturated aqueous sodium bicarbonate (1 mL) then diluted with water. 15 was extracted with dichloromethane three times, dried with magnesium sulfate, filtered and concentrated in vacuo. Then it was purified by preparative reverse-phase HPLC (10-80% acetonitrile in water with 0.05% 20 trifluoroacetic acid) to give a white amorphous solid (37 mg, 53%).  $^{1}$ H NMR (400 MHz, DMSO-d6, 140  $^{\circ}$ C),  $\delta$ : 8.46 (s, 1H), 7.92 (s, 1H), 7.56 (d, 1H, J = 8), 7.46 (t, 1H, J =8), 7.37 (d, 1H, J = 8), 7.16 (m, 2H), 7.00 (t, 2H, J =9), 6.48 (bs, 1H), 4.13 (s, 3H), 4.12 (m, 2H), 3.87 (bs, 25 1H), 3.48 (bs, 1H), 3.21 (bs, 3H), 3.04 (bs, 3H), 2.72 (bs, 3H), 2.53 (m, 1H), 2.49 (m, 1H), 2.01 (m, 2H), 1.69 (m, 3H), 1.43 (bs, 1H), 1.21 (m, 1H). HRMS (ESI),  $C_{28}H_{36}FN_8O_2$  m<sup>+</sup>/z: calc. 535.2945, found = 535.2945.

#### 30 <u>Example 9</u>

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#### <u>Part A: Preparation of 5-nitro-indazole-1-carboxylic</u> <u>acid t-butyl ester</u>

In a dry flask 5-nitro-indazole (1.03 g, 6.2 mmol) was dissolved in tetrahydrofuran (25 mL), cooled to 0 °C and sodium hydride (60% in mineral oil, washed with hexanes, 0.25 g) was added. The reaction was stirred for 10 minutes, di-t-butyl dicarbonate (1.35 g, 6.2 mmol) was added and the reaction stirred an additional 10 minutes.

The reaction mixture was diluted with ethyl acetate extracted with water and brine, and concentrated in vacuo to give a white solid (1.61 g, 100%). <sup>1</sup>H NMR (300 MHz, CDCl<sub>3</sub>),  $\underline{\delta}$ : 8.71 (d, J = 2, 1H), 8.43 (dd, J = 9, J' = 2, 1H), 8.35 (s, 1H), 8.34 (d, J = 9, 1H), 1.75 (s, 9H).

### Part B: Preparation of 5-amino-indazole-1-carboxylic acid t-butyl ester

In a Paar flask charged with palladium (10 wt% on carbon, 0.44 g) was added ethyl acetate (30 mL) and 5-nitro-indazole-1-carboxylic acid t-butyl ester (1.61 g, 6.2 mmol). The reaction mixture was hydrogenated at 50 psi for 30 minutes with vigorous shaking. The reaction mixture was filtered through a plug of celite. The plug was washed with 20 mL of methanol and the combined filtrates were concentrated in vacuo to give a white solid (1.4 g, 100%). H NMR (300 MHz, CDCl<sub>3</sub>), &: 7.99 (s, 1H), 7.97 (d, J = 10, 1H), 6.94 (dd, J = 10, J' = 2, 1H), 6.92 (d, J = 2, 1H), 1.71 (s, 9H).

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#### Part C: Preparation of 5-phenoxycarbonylamino-indazole-1-carboxylic acid t-butyl ester

In a dry flask 5-amino-indazole-1-carboxylic acid tbutyl ester (1.4 g, 6.0 mmol) was dissolved in tetrahydrofuran (20 mL) and triethylamine (1.0 g, 9.9 25 mmol) were added and the reaction mixture cooled to 0°C. Phenyl chloroformate (1.0 g, 6.4 mmol) was added dropwise and the mixture was stirred an additional 15 minutes after the addition was complete. The reaction mixture was diluted with ethyl acetate, washed with water, and 30 concentrated in vacuo. The crude material was purified by flash chromatography with 35% ethyl acetate in hexanes to give a white solid (1.9 g, 90%). H NMR (300 MHz,  $CDCl_3$ ),  $\delta$ : 8.14 (d, J = 10, 1H), 8.12 (s, 1H), 8.02 (bs, 35 1H), 7.40 (m, 3H), 7.24 (m, 4H), 1.73 (s, 9H).

Part D: Preparation of 5-(3-{(3R,4R)-1-tert-butoxycarbonyl-3-[(S)-3-(4-fluoro-benzyl)-piperidine-1-carbonyl]-piperidin-4-yl}-ureido)-indazole-1-carboxylicacid t-butyl ester

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In a dry flask (3R,4R)-4-Amino-3-[(S)-3-(4-fluorobenzyl)-piperidine-1-carbonyl]-piperidine-1-carboxylic acid t-butyl ester (72 mg, 0.171 mmol) was dissolved in acetonitrile (2 mL) and triethylamine (25  $\mu$ L, 0.179 mmol) and 5-(phenoxycarbonylamino)-1-indazolecarboxylic acid 1tert-butyl ester (72 mg, 0.204 mmol) were added. reaction mixture was stirred for 64 hours while heating to 60 °C. The reaction mixture was cooled, diluted with ethyl acetate, washed twice with water and once with brine. The organic layer was dried with magnesium sulfate, filtered and concentrated in vacuo. The crude product was purified by preparative reverse-phase HPLC (10-80% acetonitrile in water with 0.05% trifluoroacetic acid) to give a white amorphous solid (71 mg, 61%). <sup>1</sup>H NMR (300 MHz, CDCl<sub>3</sub>),  $\delta$ : 8.09 (m, 2H), 7.90 (2s, 1H), 7.44 (m, 1H), 7.10 (m, 1H), 6.99 (m, 1H), 6.83 (m, 2H), 4.90 (bs, 1H), 4.43 (bd, 1H, J = 11), 4.22 (bs, 2H), 3.98 (bm, 1H), 1.982H), 3.14 (t, 1H, J = 13), 2.75 (bm, 4H), 2.45 (bm, 3H), 1.94 (bm, 3H), 1.73 (2s, 9H), 1.48 (m, 9H), 1.45 (bm, 3H), 1.22 (bm, 1H). HRMS (ESI),  $C_{36}H_{48}FN_{6}O_{6}$  m<sup>+</sup>/z: calc. =

#### Example 10

Preparation of 5-(3-{(3R,4R)-3-[(S)-3-(4-fluoro-benzyl)-piperidine-1-carbonyl]-piperidin-4-yl}-ureido)-indazole-1-carboxylic acid t-butyl ester, trifluoroacetic acid salt

679.3619, found = 679.3621.

In a dry flask 5-(3-{(3R,4R)-1-tert-butoxycarbonyl-3-[(S)-3-(4-fluoro-benzyl)-piperidine-1-carbonyl]-piperidin-4-yl}-ureido)-indazole-1-carboxylic acid tbutyl ester (51 mg, 0.075 mmol) was dissolved in dichloromethane (1.5 mL) and trifluoroacetic acid (0.5 mL) was added. The reaction mixture was stirred for 2.5 hours. The reaction mixture was concentrated in vacuo

then purified by preparative reverse-phase HPLC (5-80% acetonitrile in water with 0.05% trifluoroacetic acid) to give a white amorphous solid (21 mg, 47%).  $^{1}$ H NMR (400 MHz, DMSO-d6, 140  $^{\circ}$ C),  $\delta$ : 8.38 (bs, 2H), 8.03 (s, 1H), 7.89 (s, 1H), 7.75 (s, 1H), 7.41 (d, 1H, J = 9), 7.28 (dd, 1H, J = 9, J' = 2), 7.16 (m, 2H), 7.00(t, 2H, J = 9), 6.41 (d, 1H, J = 7), 4.08 (m, 2H), 3.91 (m, 1H), 3.44 (m, 1H), 3.17 (bm, 5H), 2.50 (bm, 3H), 2.00 (m, 2H), 1.69 (d, 3H, J = 11), 1.43 (bs, 1H), 1.21 (m, 1H). HRMS (ESI),  $C_{26}H_{32}FN_{6}O_{2}$  m<sup>+</sup>/z: calc. = 479.2571, found = 479.2564.

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#### Example 11

## Part A: Preparation of (5-acetyl-4-methyl-thiazol-2-yl)-carbamic acid phenyl ester

In a round-bottom flask, NaH 60% dispersion in mineral oil (3.07 g, 77 mmol) was washed 2x with hexane and suspended in DMF. Then 2-amino-5-acetyl-4-methylthiazole (10.0g, 64 mmol) was added and stirred while cooling in an ice bath. Stirring continued until the NaH was consumed. Diphenyl carbonate (34 g, 160 mmol) was added while cooling and after the addition was complete the reaction mixture was stirred for an additional ~30 minutes at room temperature. The dimethylformamide was removed on a rotary evaporator (high vacuum, 40 °C) to yield a brown residue. This residue was dissolved in 1 L of chloroform and washed successively with 2 L of 0.5N aqueous hydrochloric acid, twice with 1 L of water, and finally by 1 L of brine. The aqueous portions were back extracted twice with 300 mL of chloroform. The combined organic fractions were dried over anhydrous sodium sulfate, filtered and concentrated on a rotary evaporator to give a white solid. This was chromatographed on silica (15%-70% EtOAc/hexane) to give 15 g of the desired carbamate as a white solid. <sup>1</sup>H NMR (300 MHz, CDCl<sub>3</sub>)  $\delta$ : 11.42 (bs, 1 H), 7.47-7.40 (m, 2 H), 7.33-7.27 (m, 1 H), 7.22-7.18 (m, 2 H), 2.72 (s, 3 H), 2.50 (s, 3 H). ESI MS:  $(M+H)^+ = 277.1.$ 

Part B: Preparation of (3R,4R)-4-[3-(5-acetyl-4-methyl-thiazol-2-yl)-ureido]-3-[(S)-3-(4-fluoro-benzyl)-piperidine-1-carbonyll-piperidine-1-carboxylic acid t-butyl ester

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In a dry flask (3R,4R)-4-Amino-3-[(S)-3-(4-fluorobenzyl)-piperidine-1-carbonyl]-piperidine-1-carboxylic acid t-butyl ester (73 mg, 0.174 mmol) was dissolved in acetonitrile (2 mL) and triethylamine (25  $\mu$ L, 0.179 mmol) 10 and 4-acetyl-3-methyl-2-(phenoxycarbonylamino)-thiazole (58 mg, 0.21 mmol) were added. The reaction mixture was stirred for 64 hours while heating to 60 °C. The reaction mixture was cooled, diluted with ethyl acetate, washed twice with water and once with brine. The organic 15 layer was dried with magnesium sulfate, filtered and concentrated in vacuo. The crude product was purified by preparative reverse-phase HPLC (10-80% acetonitrile in water with 0.05% trifluoroacetic acid) to give a white amorphous solid (60 mg, 57%). <sup>1</sup>H NMR (300 MHz, CDCl<sub>3</sub>),  $\delta$ : 20 7.14 (m, 1H), 6.98 (m, 2H), 6.88 (t, 1H, J = 10), 4.39(d, 1H, J = 13), 4.09 (bs, 2H), 3.94 (bm, 2H), 3.12 (t,1H, J = 11), 2.74 (bm, 5H), 2.62 (m, 3H), 2.52 (m, 1H), 2.47 (m, 3H), 2.36 (m, 2H), 2.03 (bm, 3H), 1.74 (bm, 2H), 1.48 (2s, 9H), 1.40 (m, 1H), 1.22 (m, 1H). HRMS (ESI),  $C_{30}H_{41}FN_5O_5S \text{ m}^*/z$ : calc. = 602.2813, found = 602.2811. 25

#### Example 12

Preparation of 1-(5-acetyl-4-methyl-thiazol-2-yl)-3{(3R,4R)-3-[(S)-3-(4-fluoro-benzyl)-piperidine-1
carbonyl]-piperidin-4-yl}-urea, trifluoroacetic acid salt

In a dry flask (3R,4R)-4-[3-(5-acetyl-4-methyl-thiazol-2-yl)-ureido]-3-[(S)-3-(4-fluoro-benzyl)piperidine-1-carbonyl]-piperidine-1-carboxylic acid tbutyl ester (47 mg, 0.078 mmol) was dissolved in

dichloromethane (1.5 mL) and trifluoroacetic acid (0.5 mL) was added. The reaction mixture was stirred for 2 hours. The reaction mixture was concentrated in vacuo then purified by preparative reverse-phase HPLC (5-80%

acetonitrile in water with 0.05% trifluoroacetic acid) to give a white amorphous solid (49 mg, 100%).  $^{1}$ H NMR (400 MHz, DMSO-d6, 120 °C),  $\delta$ : 8.47 (bs, 2H), 7.15 (t, 2H, J = 6), 7.03 (m, 3H), 4.12 (bs, 1H), 3.95 (m, 2H), 3.45 (m, 1H), 3.24 (m, 2H), 3.12 (m, 2H), 2.51 (s, 3H), 2.48 (bm, 3H), 2.40 (s, 3H), 1.98 (m, 2H), 1.67 (bd, 3H, J = 10), 1.28 (bm, 3H). HRMS (ESI),  $C_{25}H_{33}FN_{5}O_{3}S$  m<sup>+</sup>/z: calc. = 502.2288, found = 502.2281.

### 10 <u>Example 13</u>

### Part A: Preparation of ethyl 3-oxo-4piperidinecarboxylate

In a dry 500-mL Paar flask charged with palladium hydroxide (20 wt% Pd, dry basis, on carbon, 0.43 g) was 15 added methanol (20 mL) and ethyl 1-benzyl-3-oxo-4piperidinecarboxylate hydrochloride (5.00 g, 16.8 mmol). The reaction mixture was hydrogenated at 60 psi for 16 hours with vigorous shaking. The reaction mixture was filtered through a plug of celite. The plug was washed 20 with 20 mL of methanol and the combined filtrates were concentrated in vacuo to give a light yellow oil (2.88 g, 100%). <sup>1</sup>H NMR (300 MHz, CDCl<sub>3</sub>),  $\delta$ : 4.23 (q, J = 7, 2H), 3.84 (bs, (2H), 3.37 (m, 2H), 3.15 (m, 1H), 2.68 (m, 2H), 1.32 (t, J = 7, 3H). MS (ESI),  $m^{+}/z$ :  $(M+H)^{+} + CH_{3}CN =$  $213, (M+H)^{+} = 172.$ 25

# Part B: Preparation of ethyl 1-(t-butoxycarbonyl)-3-oxo-4-piperidinecarboxylate

In a dry flask, the crude ethyl 3-oxo-4-piperidinecarboxylate 2.88 g, 16.8 mmol) is dissolved in methanol
(40 mL) and di-t-butyl dicarbonate (4.03 g, 18.5 mmol)
and triethylamine (3.74 g, 36.9 mmol) were added. The
reaction mixture was stirred under an argon atmosphere
for 6 hours at room temperature. The reaction mixture
was concentrated in vacuo and then water (30 mL) and
ethyl acetate (30 mL) were added. The aqueous layer was
separated and then extracted twice with ethyl acetate (30
mL). The combined organic extracts were dried with

magnesium sulfate, filtered and concentrated in vacuo. Purification by flash column chromatography (20% ethyl acetate/hexanes) provided 4.19 g (92%) of a colorless oil.  $^{1}$ H NMR (300 MHz, CDCl<sub>3</sub>),  $\delta$ : 12.08 (bs, 1H), 4.23 (q, 2H, J = 7), 4.03 (bs, 2H), 3.49 (t, 2H, J = 6), 2.32 (bt, 2H, J = 6), 1.47 (s, 9H), 1.31 (t, 3H, J = 7).

# Part C: Preparation of (R)-5-(1-phenyl-ethylamino)-3,6-dihydro-2H-pyridine-1,4-dicarboxylic acid 1-tert-butyl ester 4-ethyl ester

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ester 4-ethyl ester

In a dry flask equipped with a Dean-Stark trap and reflux condenser, ethyl 1-(t-butoxycarbonyl)-3-oxo-4piperidinecarboxylate (4.19 g, 15.4 mmol) was dissolved in toluene (50 mL). (R)-(+)-a-Methylbenzylamine (1.91 g, 15 15.8 mmol) and p-toluenesulfonic acid monohydrate (0.019 g, 0.1 mmol) were added and the mixture heated to reflux for 6 hours. The crude reaction mixture was concentrated in vacuo to give the desired amine (5.78 g, 100%) as a thick orange oil. <sup>1</sup>H NMR (300 MHz, CDCl<sub>3</sub>),  $\delta$ : 7.36 (t, J = 20 3, 2H), 7.33 (t, J = 4, 1H), 7.31 (dd, J = 3, J' = 4, 2H), 4.59 (m, 1H), 4.16 (q, J = 7, 2H), 3.59 (m, 2H), 2.34 (m, 2H), 1.58 (bs, 2H), 1.52 (d, J = 3, 3H), 1.29(s, 9H), 1.26 (t, 3H, J = 7). MS  $(ESI), m^{+}/z: (M+H)^{+} =$ 375.

Part D: Preparation of (3R,4R)-3-[(R)-1-phenyl-ethylamino]-piperidine-1,4-dicarboxylic acid 1-tert-butyl

In a dry flask (R)-5-(1-phenyl-ethylamino)-3,6
dihydro-2H-pyridine-1,4-dicarboxylic acid 1-tert-butyl
ester 4-ethyl ester (5.78 g , 15.4 mmol) was dissolved in
acetonitrile (25 mL) and glacial acetic acid (25 mL) and
cooled to 0°C. Triacetoxyborohydride (9.82 g, 46.3 mmol)
was added over a 5-minute period. The reaction mixture

35 was allowed to stir at 0°C for 2 hours. Concentrated

was allowed to stir at 0°C for 2 hours. Concentrated aqueous sodium hydroxide was carefully added to maintain the internal temperature of the flask below 10 °C. The resulting solid sodium acetate was filtered and the

mixture was extracted with ethyl acetate 3 times (50 mL).
The combined organic extracts were dried with magnesium sulfate, filtered, concentrated in vacuo, and then purified by flash chromatography with 20% ethyl acetate
5 in hexanes to give a colorless oil (2.6 g, 47%). The ¹H NMR showed a mixture of two rotation isomers. The major compound had the following ¹H NMR (300 MHz, CDCl<sub>3</sub>), δ: 7.28 (t, J = 5, 2H), 7.25 (t, J = 2, 1H), 7.23 (d, J = 4, 2H), 4.35 (m, 2H), 4.24 (q, 2H, J = 7), 3.96 (m, 2H), 3.15 (bs, 1H), 2.99 (m, 1H), 2.75 (m, 1H) 2.48 (dt, 2H, J = 10, 4), 1.86 (m, 1H), 1.68 (m, 1H), 1.39 (s, 9H), 1.26 (d, 3H, J = 6), 1.26 (t, 3H, J = 7).

# Part E: Preparation of (3R,4S)-3-(1-phenyl-ethylamino)piperidine-1,4-dicarboxylic acid 1-tert-butyl ester 4ethyl ester

In a dry flask (3R,4R)-3-[(R)-1-phenyl-ethylamino]-piperidine-1,4-dicarboxylic acid 1-tert-butyl ester 4-ethyl ester (31.32 g, 83.0 mmol) was dissolved in ethanol (400 mL). Potassium carbonate (68.72 g) was added and the mixture was refluxed for 6 hours. The reaction mixture was cooled, filtered through a bed of celite, and concentrated in vacuo to give a crude oil. Purification by flash column chromatography (20-50% ethyl

acetate/hexanes) provided a colorless oil (4.59 g, 15%). Unepimerized ester was also isolated (23.49 g, 75%).  $^{1}\text{H NMR (300 MHz, CDCl}_{3}), \; \delta\text{: 7.25 (t, J = 5, 2H),}$ 

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7.245 (t, J = 2, 2H), 7.20 (d, J = 5, 1H), 4.19 (q, J = 7, 2H), 3.94 (bd, J = 13, 2H), 3.86 (m, 2H), 2.85 (m, 1H), 2.71 (m, 2H), 2.32 (d, J = 7, 2H), 2.20 (d, J = 15, 1H), 1.68 (bs, 3H), 1.51 (s, 9H). MS (ESI),  $m^{\dagger}/z$ :  $(M+H)^{\dagger}$  = 377.

# Part F: Preparation of (3R,4S)-3-amino-piperidine-1,4-dicarboxylic acid 1-t-butyl ester 4-ethyl ester

In a dry 500-mL Paar flask charged with palladium hydroxide (20 wt% Pd, dry basis, on carbon, 1.62 g) was added methanol (50 mL) and (3R,4S)-4-[(R)-1-Phenyl-

ethylamino]-piperidine-1,3-dicarboxylic acid 1-tert-butyl
ester (5.41 g, 14.4 mmol). The reaction mixture was
hydrogenated at 60 psi for 24 hours with vigorous
shaking. The reaction mixture was filtered through a

5 plug of celite. The plug was washed with 20 mL of
ethanol and the combined filtrates were concentrated in
vacuo to give a colorless oil (3.81 g, 100%). ¹H NMR (300
MHz, CDCl<sub>3</sub>), δ: 4.17 (q, J = 7, 2H), 3.04 (m, 1H), 2.71
(m, 2H), 2.49 (m, 2H), 2.25 (m, 1H), 1.46 (s, 9H), 1.28

10 (t, J = 7, 3H). MS (ESI), m\*/z: (M+H)\* = 273.

## Part G: Preparation of (3R,4S)-3-benzyloxycarbonylaminopiperidine-1,4-dicarboxylic acid 1-t-butyl ester 4-ethyl ester

15 In a dry flask (3R,4S)-3-aminopiperidine-1,3dicarboxylic acid 1-t-butyl ester 4-ethyl ester (3.81 g, 14.0 mmol) was dissolved in dichloromethane (40 mL) and triethylamine (3.9 mL, 28.0 mmol) and benzyl chloroformate (2.0 mL, 14.0 mmol) were added. 20 mixture was stirred for 18 hours. Water (30 mL) was added and the layers separated. The aqueous layer was extracted with ethyl acetate (30 mL). The combined organic layers were dried with magnesium sulfate, filtered, and concentrated in vacuo to give a crude oil. 25 Purification by flash column chromatography (30% ethyl acetate/hexane) provided a colorless oil (1.19 g, 16%). <sup>1</sup>H NMR (300 MHz, CDCl<sub>3</sub>),  $\delta$ : 7.35 (m, 5H), 5.09 (m, 2H), 4.13, (q, J = 7, 2H), 3.88 (m, 2H), 3.78 (m, 1H), 3.17(m, 2H), 2.62 (m, 1H), 1.86 (m, 2H), 1.45 (s, 9H), 1.22 30 (t, J = 7, 9H). MS (ESI),  $m^{+}/z$ :  $(M+H)^{+} = 407$ .

## Part H: Preparation of (3R,4S)-3-benzyloxycarbonylaminopiperidine-1,4-dicarboxylic acid 1-tert-butyl ester

In a flask (3R,4S)-3-benzyloxycarbonylamino-35 piperidine-1,4-dicarboxylic acid 1-tert-butyl ester 4ethyl ester (1.19 g, 2.93 mmol) was dissolved in tetrahydrofuran (48 mL) and lithium hydroxide (12 mL of a 1N aqueous solution, 15 mmol) was added. The mixture was stirred for 60 hours. The reaction mixture was acidified with aqueous hydrochloric acid (3 mL of a 2M solution) and then extracted with ethyl acetate three times (30 mL). The combined organic layers were dried with 5 magnesium sulfate, filtered, and concentrated in vacuo to give a crude white solid (1.13 g) which was used without further purification.  $^{1}$ H NMR (300 MHz, CDCl<sub>3</sub>),  $\delta$ : 7.35 (m, 5H), 5.10 (m, 2H), 3.91, (m, 2H), 3.19 (m, 1H), 2.71 (m, 2H), 1.92 (m, 1H), 1.74 (m, 2H), 1.45 (s, 9H). MS (APCI),  $m^{*}/z$ : (M+H) $^{*}$  = 379.

## Part I: Preparation of (3R,4S)-3-benzyloxycarbonylamino-4-[(S)-3-(4-fluoro-benzyl)-piperidine-1-carbonyl]piperidine-1-carboxylic acid t-butyl ester

- In a dry flask (3R,4S)-3-benzyloxycarbonylaminopiperidine-1,4-dicarboxylic acid 1-tert-butyl ester (1.13 g, 3.00 mmol) was dissolved in dichloromethane (100 mL) and then triethylamine (1.67 mL, 12.0 mmol) and benzotriazol-1-yloxy-tripyrrolidinophosphonium
- hexafluorophosphate (1.56 g, 3.00 mmol) were added. The reaction was stirred 18 hours. The reaction mixture was diluted with water (25 mL) and extracted three times with ethyl acetate (25 mL). The combined organic extracts were dried with magnesium sulfate, filtered and
- concentrated in vacuo. The mixture was purified by flash chromatography with 50% ethyl acetate/hexanes to give a white solid (153 mg, 56%).  $^{1}$ H NMR (300 MHz, CDCl<sub>3</sub>),  $\delta$ :
  - 7.31 (m, 5H), 7.08 (m, 2H), 6.98 (m, 2H), 5.12 (m, 2H),
  - 5.08 (m, 2H), 4.41 (m, 1H), 3.94 (m, 4H), 3.60 (m, 1H),
- 30 3.43 (m, 2H), 2.98 (m, 2H), 2.59 (m, 2H), 2.39 (m, 2H), 1.66 (m, 4H), 1.56 (s, 9H). MS (ESI),  $m^{\dagger}/z$ :  $(M+H)^{\dagger} = 554.4$ .

# Part J: Preparation of (3R,4S)-3-amino-4-[(S)-3-(4-35 fluoro-benzyl)-piperidine-1-carbonyl]-piperidine-1-carboxylic acid t-butyl ester

In a Paar flask charged with palladium hydroxide (20 wt% on carbon, 0.423 g) was added (3R,4S)-3-

benzyloxycarbonylamino-4-[(S)-3-(4-fluoro-benzyl)piperidine-1-carbonyl]-piperidine-1-carboxylic acid tbutyl ester (1.41 g, 2.53 mmol) and methanol (30 mL).
The reaction was hydrogenated at 60 psi with vigorous

5 shaking for 65 hours. The reaction mixture was filtered through a bed of celite and then concentrated in vacuo to give a thick oil (1.19 g) which was used without further purification. ¹H NMR (300 MHz, CDCl<sub>3</sub>), δ: 7.06 (m, 4H),
4.45 (m, 2H), 4.21 (m, 2H), 3.81 (m, 2H), 3.62 (m, 2H),
3.23 (m, 2H), 3.08 (m, 1H), 2.67 (m, 2H), 2.45 (m, 2H),
2.21 (m, 1H), 1.45 (s, 9H). MS (APCI), m²/z: (M+H)² =
420.3.

# Part K: Preparation of (3R,4S)-3-[3-(3-acetyl-phenyl)-ureido]-4-[(S)-3-(4-fluoro-benzyl)-piperidine-1-carbonyl]-piperidine-1-carboxylic acid t-butyl ester

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In a dry flask (3R,4S)-3-amino-4-[(S)-3-(4-fluorobenzyl)-piperidine-1-carbonyl]-piperidine-1-carboxylic acid t-butyl ester (77 mg, 0.18 mmol) was dissolved in 20 tetrahydrofuran (2.5 mL) and triethylamine (20 µL, 0.143 mmol) and 3-acetylphenylisocyanate (50  $\mu$ L, 0.36 mmol) were added. The reaction mixture was stirred for 16 The reaction mixture was concentrated in vacuo and purified by preparative reverse-phase HPLC (10-90% 25 acetonitrile in water with 0.05% trifluoroacetic acid) to give a white amorphous solid (40 mg, 38%). <sup>1</sup>H NMR (300 MHz, CDCl<sub>3</sub>),  $\delta$ : 7.98 (d, J = 8, 1H), 7.83 (m, 2H), 7.74 (m, 1H), 7.65 (m, 2H), 7.56 (m, 1H), 7.46 (m, 1H), 7.01 (m, 2H), 6.87 (m, 1H), 3.09 (m, 1H), 2.51-2.77 (m, 7H), $2.42 \, (m, 1H), 1.23-1.78 \, (m, 11H), 1.42 \, (s, 9H). HRMS$ 30 (ESI),  $C_{32}H_{42}FN_4O_5$  m<sup>+</sup>/z: calc. = 581.3139, found = 581.3142.

#### Example 14

Preparation of 1-(3-acetyl-phenyl)-3-{(3R,4S)-4-[(S)-3-(4-fluoro-benzyl)-piperidine-1-carbonyl]-piperidin-3-yl}-urea, trifluoroacetic acid salt

5 In a dry flask (3R, 4S)-3-[3-(3-acetyl-phenyl)ureido]-4-[(S)-3-(4-fluoro-benzyl)-piperidine-1carbonyl]-piperidine-1-carboxylic acid t-butyl ester (25 mg, 0.043 mmol) was dissolved in trifluoroacetic acid. The reaction mixture was stirred for 4 hours. 10 reaction mixture was concentrated in vacuo then purified by preparative reverse-phase HPLC (10-90% acetonitrile in water with 0.05% trifluoroacetic acid) to give a white amorphous solid (19 mg, 50%). <sup>1</sup>H NMR (300 MHz, CDCl<sub>3</sub>),  $\delta$ : 9.25 (bs, 2H), 8.26 (bs, 1H), 7.96 (m, 1H), 7.52 (m, 1H), 15 7.38 (m, 2H), 7.15 (m, 1H), 6.94 (m, 4H), 4.40 (m, 1H), 4.16 (m, 1H), 3.76 (m, 1H), 3.64 (m, 1H), 3.33 (m, 1H), 3.27 (m, 1H), 3.04 (m, 1H), 2.68 (m, 2H), 2.50 (s, 3H), 2.39 (m, 1H), 1.81 (m, 2H), 1.81 (m, 2H), 1.66 (m, 2H), 1.39 (m, 2H), 1.26 (m, 1H). HRMS (ESI),  $C_{27}H_{36}FN_4O_2$  m<sup>+</sup>/z: 20 calc. = 481.2615, found = 481.2622.

#### Example 15

Part A: Preparation of (3R,4R)-4-amino-3-[(S)-3-(4-fluoro-benzyl)-piperidin-1-ylmethyl]-piperidine-1-carboxylic acid t-butyl ester

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In a dry flask (3R,4R)-4-amino-3-[(S)-3-(4-fluorobenzyl)-piperidine-1-carbonyl]-piperidine-1-carboxylic acid t-butyl ester (500 mg, 1.19 mmol) was dissolved in borane (50 mL of a 1M solution in tetrahydrofuran, 50 mmol). The reaction was stirred 19 hours. The reaction was poured into hydrochloric acid (70 mL of a 1M aqueous solution) and stirred vigorously for 4 hours. The reaction mixture was neutralized with saturated aqueous sodium bicarbonate. The layers were separated and the aqueous layer was extracted with ethyl acetate. The organic layers were combined, dried with magnesium sulfate, filtered and concentrated in vacuo. The mixture was purified by flash chromatography using 5-20% methanol

in chloroform to give a yellow solid (371 mg, 77%).  $^{1}H$  NMR (300 MHz, CDCl<sub>3</sub>),  $\delta$ : 7.08 (m, 2H), 6.97 (t, 2H, J = 8), 4.08 (bs, 2H), 3.70 (bs, 1H), 3.34 (bs, 1H), 3.02 (bt, 1H, J = 9), 2.68 (bm, 2H), 2.32 (bm, 7H), 1.98 (m, 1H), 1.75 (m, 5H), 1.44 (s, 9H), 0.89 (m, 1H).

Part B: Preparation of (3R,4R)-4-[3-(3-acetyl-phenyl)-ureido]-3-[(S)-3-(4-fluoro-benzyl)-piperidin-1-ylmethyl]-piperidine-1-carboxylic acid t-butyl ester,

### 10 <u>trifluoroacetic acid salt</u>

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In a dry flask (3R,4R)-4-amino-3-[(S)-3-(4-fluorobenzyl)-piperidin-1-ylmethyl]-piperidine-1-carboxylic acid t-butyl ester (42 mg, 0.103 mmol) was dissolved in tetrahydrofuran (2 mL) and triethylamine (20  $\mu$ L, 0.143

- mmol) and 3-acetylphenylisocyanate (17  $\mu$ L, 0.124 mmol) were added. The reaction mixture was stirred for 16 hours. The reaction mixture was concentrated in vacuo and purified by preparative reverse-phase HPLC (10-80% acetonitrile in water with 0.05% trifluoroacetic acid) to
- give a white amorphous solid (56 mg, 74%). <sup>1</sup>H NMR (300 MHz, CD<sub>3</sub>OD),  $\delta$ : 8.04 (s, 1H), 7.64 (d, 1H, J = 8), 7.58 (d, 1H, J = 8), 7.39 (t, 1H, J = 8), 7.18 (m, 2H), 6.99 (t, 2H, J = 9), 4.02 (d, 1H, J = 12), 3.86 (d, 1H, J = 14), 3.62 (s, 4H), 3.53 (d, 2H, J = 10), 3.24 (m, 2H),
- 3.08 (m, 2H), 2.93 (m, 2H), 2.62 (m, 2H), 2.56 (s, 3H), 1.97 (m, 4H), 1.77 (m, 2H), 1.57 (m, 1H), 1.46 (s, 9H), 1.23 (m, 1H). HRMS (ESI),  $C_{32}H_{44}FN_4O_4$  m<sup>+</sup>/z: calc. = 567.3346, found = 567.3352.

### 30 <u>Example 16</u>

Preparation of 1-(3-acetyl-phenyl)-3-{(3S,4R)-3-[(S)-3-(4-fluoro-benzyl)-piperidin-1-ylmethyl]-piperidin-4-yl}-urea, bistrifluoroacetic acid salt

In a dry flask (3R,4R)-4-[3-(3-acetyl-phenyl)35 ureido]-3-[(S)-3-(4-fluoro-benzyl)-piperidin-1-ylmethyl]piperidine-1-carboxylic acid t-butyl ester (31 mg, 0.055
mmol) was dissolved in dichloromethane (1.5 mL) and

trifluoroacetic acid (0.5 mL) was added. The reaction mixture was stirred for 4 hours. The reaction mixture was concentrated in vacuo then purified by preparative reverse-phase HPLC (10-80% acetonitrile in water with 0.05% trifluoroacetic acid) to give a white amorphous solid (19 mg, 50%). <sup>1</sup>H NMR (300 MHz, CD<sub>3</sub>OD),  $\delta$ : 8.06 (s, 1H), 7.62 (m, 2H), 7.38 (m, 2H), 7.14 (m, 2H), 6.95 (t, 2H, J = 9), 3.70 (m, 2H), 3.49 (m, 3H), 3.33 (m, 2H), 3.04 (m, 4H), 2.63 (m, 2H), 2.56 (s, 3H), 2.49 (m, 2H), 3.04 (m, 2H), 1.90 (m, 2H), 1.74 (m, 2H), 1.19 (m, 1H). HRMS (ESI),  $C_{27}H_{36}FN_4O_2$  m<sup>\*</sup>/z: calc. = 467.2822, found = 467.2822.

#### Example 17

Preparation of 1-{(3R,4R)-1-acetyl-3-[(S)-3-(4-fluoro-benzyl)-piperidin-1-ylmethyl]-piperidin-4-yl}-3-(3-acetyl-phenyl)-urea, trifluoroacetic acid salt

In a dry flask 1-(3-acetyl-phenyl)-3-{(3R,4R)-3[(S)-3-(4-fluoro-benzyl)-piperidin-1-ylmethyl]-piperidin-

- 4-yl}-urea (55 mg, 0.079 mmol) was dissolved in dichloromethane (2 mL), and then triethylamine (55  $\mu$ L, 0.39 mmol) and acetyl chloride (10  $\mu$ L, 0.14 mmol) were added. The reaction mixture was stirred for 21 hours. The reaction mixture was concentrated in vacuo then was
- purified by preparative reverse-phase HPLC (10-80% acetonitrile in water with 0.05% trifluoroacetic acid) to give a white amorphous solid (26 mg, 53%).  $^1$ H NMR (400 MHz, DMSO-d6, 60 °C),  $\delta$ : 8.97 (bs, 1H), 8.79 (s, 1H),
  - 8.01 (s, 1H), 7.63 (d, 1H, J = 8), 7.53 (d, 1H, J = 8),
- 30 7.39 (t, 1H, J = 8), 7.20 (m, 2H), 7.08 (t, 2H, J = 9),
  - 6.45 (bs, 1H), 4.26 (m, 1H), 3.98 (bm, 2H), 3.61 (m, 2H),
  - $3.47 \ (m,\ 2H)$  ,  $3.26 \ (bs,\ 1H)$  ,  $3.07 \ (m,\ 2H)$  ,  $2.89 \ (bs,\ 1H)$  ,
  - 2.61 (m, 2H), 2.52 (s, 3H), 2.01 (m, 5H), 1.84 (m, 2H),
  - 1.59 (bm, 3H), 1.12 (m, 1H). HRMS (ESI),  $C_{29}H_{38}FN_4O_3$  m<sup>+</sup>/z:
- 35 calc. 509.2928, found = 509.2942.

#### Example 18

Preparation of 1-(3-acetyl-phenyl)-3-{(3R,4R)-3-[(S)-3-(4-fluoro-benzyl)-piperidin-1-ylmethyl]-1methanesulfonyl-piperidin-4-yl}-urea, trifluoroacetic
acid salt

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In a dry flask  $1-(3-acetyl-phenyl)-3-\{(3R,4R)-3-acetyl-phenyl\}$ [(S)-3-(4-fluoro-benzyl)-piperidin-1-ylmethyl]-piperidin-4-yl}-urea (70 mg, 0.10 mmol) was dissolved in dichloromethane (2 mL), and then triethylamine (140  $\mu$ L, 1.0 mmol) and methanesulfonyl chloride (8  $\mu$ L, 0.10 mmol) 10 were added. The reaction mixture was stirred for 2 hours at 0 °C. The reaction mixture was guenched with water, concentrated in vacuo then was purified by preparative reverse-phase HPLC (10-80% acetonitrile in water with 0.05% trifluoroacetic acid) to give a white amorphous 15 solid (31 mg, 47%).  $^{1}$ H NMR (300 MHz, CD<sub>3</sub>OD),  $\delta$ : 8.04 (s, 1H), 7.61 (m, 2H), 7.40 (t, 1H, J = 12), 7.18 (m, 2H), 6.99 (t, 2H, J = 9), 3.62 (bm, 6H), 3.13 (m, 3H), 2.93(m, 2H), 2.87 (s, 3H), 2.59 (m, 2H), 2.56 (s, 3H), 2.23 20 (bs, 1H), 1.98 (bm, 3H), 1.77 (m, 3H), 1.20 (m, 1H). HRMS (ESI),  $C_{28}H_{38}FN_4O_4S \text{ m}^{\dagger}/z$ : calc. 545.2598, found = 545.2591.

### Example 19

25 Preparation of  $1-(3-acetyl-phenyl)-3-\{(3S,4R)-3-[(S)-3-$ (4-fluoro-benzyl)-piperidin-1-ylmethyll-1-methylpiperidin-4-yl}-urea, bistrifluoroacetic acid salt In a dry flask  $1-(3-acetyl-phenyl)-3-\{(3R,4R)-3-acetyl-phenyl)$ [(S)-3-(4-fluoro-benzyl)-piperidin-1-ylmethyl]-piperidin-30 4-yl}-urea (83 mg, 0.12 mmol) was dissolved in dichloroethane (5 mL), and then a solution of formaldehyde (240 µL in tetrahydrofuran) was added. The reaction mixture was stirred for 5 minutes then triacetoxyborohydride (41 mg, 0.19 mmol) was added. 35 mixture was stirred an additional 3 hours. The reaction was quenched with saturated aqueous sodium bicarbonate (1 mL) then diluted with water. The mixture was extracted

with dichloromethane three times, dried with magnesium sulfate, filtered and concentrated in vacuo. Then it was purified by preparative reverse-phase HPLC (10-80% acetonitrile in water with 0.05% trifluoroacetic acid) to give a white amorphous solid (47 mg, 55%). <sup>1</sup>H NMR (300 MHz, CD<sub>3</sub>OD), δ: 8.07 (s, 1H), 7.62 (m, 2H), 7.40 (t, 1H, J = 8), 7.14 (m, 2H), 6.96 (t, 2H, J = 9), 3.74 (m, 2H), 3.55 (m, 3H), 3.35 (m, 2H), 3.07 (bm, 4H), 2.90 (s, 3H), 2.65 (m, 2H), 2.56 (s, 3H), 2.47 (m, 1H), 2.05 (bm, 4H), 1.73 (m, 2H), 1.17 (m, 1H). HRMS (ESI), C<sub>28</sub>H<sub>38</sub>FN<sub>4</sub>O<sub>2</sub> m<sup>\*</sup>/z: calc. 481.2978, found = 481.2986.

#### Example 20

<u>Preparation of 1-(3-acetyl-phenyl)-3-{(3R, 4R)-3-[(S)-3-</u> 15 (4-fluoro-benzyl)-piperidin-1-ylmethyl]-1-isobutylpiperidin-4-yl}-urea, bistrifluoroacetic acid salt In a dry flask  $1-(3-acetyl-phenyl)-3-\{(3R,4R)-3-acetyl-phenyl\}$ [(S)-3-(4-fluoro-benzyl)-piperidin-1-ylmethyl]-piperidin-4-yl}-urea (97 mg, 0.14 mmol) was dissolved in dichloroethane (5 mL), and i-butyraldehyde (15  $\mu$ L, 0.165 20 mmol) was added. The reaction mixture was stirred for 5 minutes then triacetoxyborohydride (46 mg, 0.22 mmol) was The mixture was stirred an additional 2 hours. The reaction was quenched with saturated aqueous sodium 25 bicarbonate (1 mL) then diluted with water. The mixture was extracted with dichloromethane three times, dried with magnesium sulfate, filtered and concentrated in Then it was purified by preparative reverse-phase HPLC (10-80% acetonitrile in water with 0.05% 30 trifluoroacetic acid) to give a white amorphous solid (38 mg, 36%).  $^{1}$ H NMR (300 MHz, CD<sub>3</sub>OD),  $\delta$ : 8.07 (s, 1H), 7.61 (m, 2H), 7.41 (m, 1H), 7.14 (m, 2H), 6.96 (m, 2H), 3.90 (bs, 1H), 3.61 (bm, 4H), 3.32 (m, 2H), 3.01 (bm, 6H), 2.62 (m, 2H), 2.56 (s, 3H), 2.49 (bs, 1H), 2.12 (bm, 4H), 1.88 (m, 1H), 1.73 (m, 2H), 1.17 (m, 1H), 1.03 (m, 6H). 35

HRMS (ESI),  $C_{31}H_{44}FN_4O_2$  m<sup>+</sup>/z: calc. 523.3448, found =

523.3453.

#### Example 21

Preparation of (3R,4R)-3-[(S)-3-(4-fluoro-benzyl)piperidin-1-ylmethyl]-4-{3-[3-(1-methyl-1H-tetrazol-5-yl)-phenyl]-ureido}-piperidine-1-carboxylic acid t-butyl
ester, trifluoroacetic acid salt

In a dry flask (3R,4R)-4-amino-3-[(S)-3-(4-fluorobenzyl)-piperidin-1-ylmethyl]-piperidine-1-carboxylic acid t-butyl ester (43 mg, 0.11 mmol) was dissolved in 10 dimethylformamide (1 mL) and [3-(1-methyl-1H-tetrazol-5yl)-phenyl]-carbamic acid phenyl ester (36 mg, 0.12 mmol) was added. The reaction mixture was stirred for 16 The reaction mixture was diluted with ethyl acetate and extracted twice with water and once with 15 brine. The combined organic extract was dried with sodium sulfate, filtered and concentrated in vacuo. Half of the resulting oil was purified by preparative reverse-phase HPLC (10-80% acetonitrile in water with 0.05% trifluoroacetic acid) to give a white amorphous solid (24 20 mg, 63%).  $^{1}$ H NMR (300 MHz, CD<sub>3</sub>OD),  $\delta$ : 7.98 (s, 1H), 7.52 (m, 2H), 7.42 (m, 1H), 7.17 (m, 2H), 6.99 (t, 2H, J = 8),4.18 (s, 3H), 4.03 (d, 1H, J = 14), 3.86 (d, 1H, J = 14),3.64 (td, 1H, J = 9, J' = 5), 3.54 (d, 2H, J = 13), 3.25(m, 2H), 3.09 (m, 2H), 2.94 (t, 2H, J = 10), 2.60 (m,3H), 2.03 (bs, 2H), 1.94 (d, 2H, J = 14), 1.77 (t, 2H, J25 = 11), 1.57 (m, 1H), 1.46 (s, 9H), 1.21 (m, 1H).(ESI),  $C_{32}H_{44}FN_8O_3$  m<sup>+</sup>/z: calc. = 607.3521, found = 607.3518.

#### 30 Example 22

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Preparation of 1-{(3S,4R)-3-[(S)-3-(4-fluoro-benzyl)-piperidin-1-ylmethyl]-piperidin-4-yl}-3-[3-(1-methyl-1H-tetrazol-5-yl)-phenyl]-urea, bistrifluoroactetic acid salt

In a dry flask (3R,4R)-3-[(S)-3-(4-fluoro-benzyl)-piperidin-1-ylmethyl]-4-{3-[3-(1-methyl-1H-tetrazol-5-yl)-phenyl]-ureido}-piperidine-1-carboxylic acid t-butyl ester (48 mg, 0.079 mmol) was dissolved in

dichloromethane (1.5 mL), and trifluoroacetic acid (0.5 mL) was added. The reaction mixture was stirred for 3 hours. The reaction mixture was concentrated in vacuo then purified by preparative reverse-phase HPLC (10-80% acetonitrile in water with 0.05% trifluoroacetic acid) to give a white amorphous solid (22 mg, 38%).  $^{1}$ H NMR (500 MHz, CD<sub>3</sub>OD, 30 °C),  $\delta$ : 8.01 (t, 1H, J = 1), 7.59 (dq, 1H, J = 8, J' = 1), 7.52 (t, 1H, J = 8), 7.43 (dt, 1H, J = 8, J' = 1), 7.17 (m, 2H), 6.96 (t, 2H, J = 9), 4.18 (s, 3H), 3.73 (m, 2H), 3.51 (m, 3H), 3.38 (d, 1H, J = 13), 3.13 (m, 2H), 2.99 (m, 2H), 2.64 (dd, 2H, J = 14, J' = 6), 2.50 (bs, 2H), 2.21 (m, 1H), 2.11 (bs, 1H), 1.92 (m, 2H), 1.76 (m, 2H), 1.19 (m, 1H). HRMS (ESI),  $C_{27}H_{36}FN_{8}O$  m $^{+}$ /z: calc. 507.2996, found = 507.2976.

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#### Example 23

Preparation of 5-(3-{(3R,4R)-1-t-butoxycarbonyl-3-[(S)-3-(4-fluoro-benzyl)-piperidin-1-ylmethyl]-piperidin-4-yl}-ureido)-indazole-1-carboxylic acid t-butyl ester,

20 <u>trifluoroacetic\_acid\_salt</u>

In a dry flask (3R,4R)-4-amino-3-[(S)-3-(4-fluorobenzyl)-piperidin-1-ylmethyl]-piperidine-1-carboxylic acid t-butyl ester (48 mg, 0.118 mmol) was dissolved in dimethylformamide (1 mL) and 5-(phenoxycarbonylamino)-1-25 indazolecarboxylic acid 1-tert-butyl ester (47 mg, 0.133 The reaction mixture was stirred for 16 mmol) was added. hours. The reaction mixture was diluted with ethyl acetate, washed twice with water and once with brine. The organic layer was dried with magnesium sulfate, 30 filtered and concentrated in vacuo. Half of the crude product was purified by preparative reverse-phase HPLC (10-80% acetonitrile in water with 0.05% trifluoroacetic acid) to give a white amorphous solid (26 mg, 57%). <sup>1</sup>H NMR (300 MHz, CD<sub>3</sub>OD),  $\delta$ : 8.20 (s, 1H) 8.02 (d, 1H, J = 9), 35 7.95 (s, 1H), 7.47 (dd, 1H, J = 9, J' = 2), 7.17 (m, 2H), 6.99 (t, 2H, J = 9), 4.02 (d, 1H, J = 10), 3.89 (m, 1H), 3.64 (m, 1H), 3.52 (m, 2H), 3.25 (m, 2H), 3.10 (m, 2H), 2.94 (m, 2H), 2.61 (m, 4H), 1.97 (m, 4H), 1.78 (m, 2H),

1.69 (s, 9H), 1.57 (m, 1H), 1.46 (s, 9H), 1.20 (m, 1H). HRMS (ESI),  $C_{36}H_{50}FN_{6}O_{5}$  m<sup>+</sup>/z: calc. = 665.3827, found = 665.3835.

5 <u>Example 24</u>

Preparation of 5-(3-{(3S,4R)-3-[(S)-3-(4-Fluoro-benzyl)-piperidin-1-ylmethyl]-piperidin-4-yl}-ureido)-indazole-1-carboxylic acid t-butyl ester, bistrifluoroacetic acid salt

- In a dry flask 5-(3-{(3R,4R)-1-t-butoxycarbonyl-3-[(S)-3-(4-fluoro-benzyl)-piperidin-1-ylmethyl]-piperidin-4-yl}-ureido)-indazole-1-carboxylic acid t-butyl ester (56 mg, 0.084 mmol) was dissolved in dichloromethane (1.5 mL) and trifluoroacetic acid (0.5 mL) was added. The reaction mixture was stirred for 3 hours. The reaction mixture was concentrated in vacuo then purified by preparative reverse-phase HPLC (10-80% acetonitrile in water with 0.05% trifluoroacetic acid) to give a white amorphous solid (29 mg, 43%).  $^{1}$ H NMR (300 MHz, CD<sub>3</sub>OD),  $\delta$ :
- 20 7.95 (s, 1H), 7.84 (s, 1H), 7.46 (d, 1H, J = 9), 7.32 (dd, 1H, J = 9, J' = 2), 7.13 (m, 2H), 6.95 (t, 2H, J = 9), 3.73 (m, 2H), 3.51 (m, 3H), 3.31 (m, 2H), 3.12 (m, 3H), 2.98 (t, 2H, J = 12), 2.64 (m, 2H), 2.49 (m, 2H), 2.16 (m, 2H), 1.91 (m, 2H), 1.73 (m, 2H), 1.16 (m, 1H).
- 25 HRMS (ESI),  $C_{26}H_{34}FN_{6}O$  m<sup>+</sup>/z: calc. = 465.2778, found = 465.2780.

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#### Example 25

Preparation of (3R,4R)-4-[3-(5-acetyl-4-methyl-thiazol-2-yl)-ureido]-3-[(S)-3-(4-fluoro-benzyl)-piperidin-1-ylmethyl]-piperidine-1-carboxylic acid t-butyl ester, trifluoroacetic acid salt

In a dry flask (3R,4R)-4-amino-3-[(S)-3-(4-fluorobenzyl)-piperidin-1-ylmethyl]-piperidine-1-carboxylic acid t-butyl ester (49 mg, 0.121 mmol) was dissolved in dimethylformamide (1 mL) and 4-acetyl-3-methyl-2- (phenoxycarbonylamino)-thiazole (38 mg, 0.138 mmol) was added. The reaction mixture was stirred for 16 hours.

The reaction mixture was diluted with ethyl acetate, washed twice with water and once with brine. The organic layer was dried with magnesium sulfate, filtered and concentrated in vacuo. Half of the crude product was purified by preparative reverse-phase HPLC (10-80% acetonitrile in water with 0.05% trifluoroacetic acid) to give a white amorphous solid (18 mg, 42%). <sup>1</sup>H NMR (300 MHz, CD<sub>3</sub>OD),  $\delta$ : 7.18 (t, 2H, J = 8), 7.00 (t, 2H, J = 8), 4.01 (d, 1H, J = 11), 3.84 (d, 1H, J = 14), 3.68 (m, 1H), 3.53 (d, 2H, J = 10), 3.16 (bm, 5H), 2.94 (t, 2H, J = 10), 2.59 (m, 3H), 2.55 (s, 3H), 2.46 (s, 3H), 2.06 (bs, 2H), 1.91 (m, 2H), 1.77 (m, 2H), 1.59 (m, 1H), 1.46 (s, 9H), 1.23 (m, 1H). HRMS (ESI),  $C_{30}H_{43}FN_{5}O_{4}S$  m<sup>+</sup>/z: calc. = 588.3020, found = 588.3040.

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### Example 26

Preparation of 1-(5-acetyl-4-methyl-thiazol-2-yl)-3-{(3S,4R)-3-[(S)-3-(4-fluoro-benzyl)-piperidin-1ylmethyl]-piperidin-4-yl}-urea, bistrifluoroacetic acid salt

In a dry flask (3R,4R)-4-[3-(5-acetyl-4-methylthiazol-2-yl)-ureido]-3-[(S)-3-(4-fluoro-benzyl)piperidin-1-ylmethyl]-piperidine-1-carboxylic acid tbutyl ester (47 mg, 0.080 mmol) was dissolved in dichloromethane (1.5 mL) and trifluoroacetic acid (0.5 mL) was added. The reaction mixture was stirred for 3 The reaction mixture was concentrated in vacuo then purified by preparative reverse-phase HPLC (10-80% acetonitrile in water with 0.05% trifluoroacetic acid) to give a white amorphous solid (24 mg, 42%). H NMR (300 MHz, CD<sub>3</sub>OD),  $\delta$ : 7.15 (m, 2H), 6.98 (t, 2H, J = 9), 3.74 (m, 2H), 3.48 (m, 3H), 3.05 (bm, 5H), 2.59 (bm, 4H), 2.56 (s, 3H), 2.46 (s, 3H), 1.94 (bm, 4H), 1.74 (d, 2H, J =13), 1.16 (m, 1H). HRMS (ESI),  $C_{25}H_{35}FN_{5}O_{2}S$  m<sup>\*</sup>/z: calc. = 488.2499, found = 488.2496.

#### Example\_27

Part A: Preparation of (3R,4S)-3-amino-4-[(S)-3-(4-fluoro-benzyl)-piperidin-1-ylmethyl]-piperidine-1-carboxylic acid t-butyl ester

In a dry flask (3R,4R)-3-[3-(3-acetyl-phenyl)-5 ureido]-4-[(S)-3-(4-fluoro-benzyl)-piperidine-1carbonyl]-piperidine-1-carboxylic acid t-butyl ester (1.19 g, 2.84 mmol) was dissolved in borane (100 mL of a 1M solution in tetrahydrofuran, 100 mmol). The reaction was stirred 19 hours. The reaction mixture was 10 concentrated in vacuo and redissolved in 800 mL of ethyl acetate. The solution was poured into hydrochloric acid (140 mL of a 1M aqueous solution) and stirred vigorously for 16 hours. The reaction mixture was neutralized with saturated aqueous sodium bicarbonate. The layers were 15 separated and the aqueous layer was extracted with ethyl acetate. The organic layers were combined, dried with magnesium sulfate, filtered and concentrated in vacuo. The mixture was purified by flash chromatography using 20 20-0% hexane/ethyl acetate to give a light yellow solid (0.259 g, 22%). <sup>1</sup>H NMR  $(300 \text{ MHz}, \text{CD}_3\text{OD})$ ,  $\delta$ : 7.18 (m, 2H), 7.04 (m, 2H), 4.37 (m, 2H), 4.19 (m, 2H), 3.47 (m, 1H), 3.20 (m, 1H), 2.89 (m, 1H), 2.68 (m, 2H), 2.52 (m, 4H), 1.88 (m, 2H), 1.75 (m, 2H), 1.55 (m, 2H), 1.45 (m, 2H), 25 1.44 (s, 9H). MS (ESI),  $m^{\dagger}/z$ :  $(M+H)^{\dagger} = 406$ .

Part B: Preparation of (3R,4S)-4-[3-(3-acetyl-phenyl)-ureido]-3-[(S)-3-(4-fluoro-benzyl)-piperidin-1-ylmethyl]-piperidine-1-carboxylic acid t-butyl ester,

#### 30 <u>trifluoroacetic acid salt</u>

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In a dry flask (3R,4S)-4-amino-3-[(S)-3-(4-fluorobenzyl)-piperidin-1-ylmethyl]-piperidine-1-carboxylic acid t-butyl ester (207 mg, 0.511 mmol) was dissolved in tetrahydrofuran (2 mL) and triethylamine (140  $\mu$ L, 101 mmol) and 3-acetylphenylisocyanate (68  $\mu$ L, 0.496 mmol) were added. The reaction mixture was stirred for 16 hours. The reaction mixture was concentrated in vacuo and purified by preparative reverse-phase HPLC (10-80%

acetonitrile in water with 0.05% trifluoroacetic acid) to give a white amorphous solid (193 mg, 69%).  $^{1}$ H NMR (300 MHz, CD<sub>3</sub>OD),  $\delta$ : 8.57 (m, 1H), 8.20 (m, 1H), 7.60 (m, 2H), 6.90 (m, 4H), 4.28 (m, 2H), 3.66 (m, 2H), 3.30 (m, 2H), 2.33-2.61 (m, 12H), 2.02 (m, 2H), 1.79 (m, 2H), 1.65 (m, 2H), 1.46 (s, 9H). HRMS (ESI),  $C_{32}H_{44}FN_{4}O_{4}$  m<sup>+</sup>/z: calc. = 567.3347, found = 567.3346.

### Example 28

10 Preparation of 1-(3-acetyl-phenyl)-3-{(3R,4S)-4-[(S)-3-(4-fluoro-benzyl)-piperidin-1-ylmethyl]-piperidin-3-yl}urea, bistrifluoroacetic acid salt

In a dry flask (3R, 4S)-4-[3-(3-acetyl-phenyl)ureido]-3-[(S)-3-(4-fluoro-benzyl)-piperidin-1-ylmethyl]-15 piperidine-1-carboxylic acid t-butyl ester was trifluoroacetic acid (10 mL) was added. The reaction mixture was stirred for 10 minutes. The reaction mixture was concentrated in vacuo then purified by preparative reverse-phase HPLC (10-80% acetonitrile in water with 0.05% trifluoroacetic acid) to give a white amorphous 20 solid (13 mg, 38%).  $^{1}$ H NMR (400 MHz, DMSO-d6, 120  $^{\circ}$ C),  $\delta$ : 10.02 (bs, 1H), 9.64 (bs, 1H), 9.25 (bs, 1H), 8.20 (s, 1H), 7.93 (bs, 1H), 7.51 (d, J = 6, 1H), 7.33 (m, 2H), 6.99 (t, J = 6, 2H), 6.88 (t, J = 6, 2H), 3.91 (m, 1H), 25 3.78 (m, 1H), 3.67 (m, 1H), 3.43 (m, 2H), 3.09 (m, 2H), 2.80 (m, 2H), 2.55 (s, 3H), 2.53 (m, 3H), 2.22 (m, 2H), 1.82 (m, 6H), 1.08

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found = 467.2828.

#### Example 29

(m, 1H). HRMS (ESI),  $C_{27}H_{34}FN_4O_3$   $m^*/z$ : calc. = 467.2822,

Part A: Preparation of (3S,4R)-4-[(R)-1-Phenyl-ethylamino]-piperidine-1,3-dicarboxylic acid 1-tert-butylester

In a dry flask (3R,4R)-4-[(R)-1-Phenyl-ethylamino]-piperidine-1,3-dicarboxylic acid 1-tert-butyl ester 3-methyl ester (4.50 g, 12.4 mmol) was dissolved in tetrahydrofuran (170 mL) and t-butanol (11 mL), and

sodium t-butoxide (04.85 g, 50.5 mmol)was added. The reaction mixture was stirred for 16 hours. Water was added and the mixture was extracted with ethyl acetate five times. There was minimal residue after

5 concentration in vacuo of the combined organic extracts. The aqueous extract was acidified to pH 3 with 1N hydrochloric acid, saturated with sodium chloride and then extracted five times with ethyl acetate. The combined organic layers were dried with magnesium

10 sulfate, filtered and concentrated in vacuo to give an orange glass (2.11 g, 49%). MS (ESI), m\*/z: (M+H)\* = 349.2.

# Part B: Preparation of (3S,4R)-4-amino-piperidine-1,3-dicarboxylic acid 1-tert-butyl ester

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In a dry 500-mL Paar flask charged with Palladium hydroxide (20 wt% Pd, dry basis, on carbon, 0.22 g) was added methanol (50 mL) and (3S,4R)-4-[(R)-1-Phenylethylamino]-piperidine-1,3-dicarboxylic acid 1-tert-butyl ester (2.11 g, 6.05 mmol). The reaction mixture was hydrogenated at 53 psi for 42 hours with vigorous shaking. The reaction mixture was filtered through a plug of celite. The plug was washed with 20 mL of ethanol and the combined filtrates were concentrated in vacuo to give a colorless oil (1.32 g, 89%). H NMR (300 MHz, CDCl<sub>3</sub>), δ: 4.38 (bd, J = 12, 1H), 4.16 (m, 1H), 3.30 (m, 1H), 2.70 (m, 2H), 1.90-2.40 (m, 5H), 1.45 (s, 9H). MS (ESI), m\*/z: (M+H)\* = 245.1.

## 30 Part C: Preparation of (3S, 4R)-4-benzyloxycarbonylaminopiperidine-1,3-dicarboxylic acid 1-t-butyl ester

In a dry flask (3S,4R)-4-aminopiperidine-1,3-dicarboxylic acid 1-tert-butyl ester (1.32 g, 5.40 mmol) was dissolved in dichloromethane (30 mL) and triethylamine (1.0 mL, 7.2 mmol) and benzyl chloroformate (0.94 mL, 5.9 mmol) were added. The mixture was stirred for 18 hours. Water (30 mL) was added and the layers separated. The aqueous layer was extracted with

dichloromethane (30 mL). The combined organic layers
were washed with brine, dried with magnesium sulfate,
filtered, and concentrated in vacuo to give a crude oil
(2.13 g). Purification by flash column chromatography
5 (5-20% methanol/chloroform) provided a colorless oil
(1.29 g, 63%). ¹H NMR (400 MHz, DMSO-d6, 120°C), δ: 7.34
(m, 5H), 6.76 (bs, 1H), 5.04 (s, 2H), 4.01, (bs, 1H),
3.78 (dd, J = 14, J' = 7, 1H), 3.47 (m, 2H), 3.26 (m,
1H), 2.67 (dt, J = 7, J' = 4, 1H), 2.49 (m, 1H), 1.79 (m,
10 1H), 1.59 (m, 1H), 1.40 (s, 9H). MS (ESI), m\*/z: (M+Na)\*
= 401.

## Part D: Preparation of (3S,4R)-4-benzyloxycarbonylamino-3-[(S)-3-(4-fluoro-benzyl)-piperidine-1-carbonyl]-

15 piperidine-1-carboxylic acid t-butyl ester

In a dry flask (3S,4R)-4-benzyloxycarbonylamino-piperidine-1,3-dicarboxylic acid 1-tert-butyl ester (0.18 g, 0.48 mmol) was dissolved in dichloromethane (7 mL) and then triethylamine (150  $\mu$ L, 1.08 mmol) and benzotriazol-

- 1-yloxy-tripyrrolidinophosphonium hexafluorophosphate (0.30 g, 0.58 mmol) were added. The reaction was stirred 18 hours. The reaction mixture was diluted with dichloromethane (25 mL) and extracted twice with water (15 mL). The combined aqueous extracts were extracted
- with dichloromethane (25 mL). The combined organic extracts were dried with magnesium sulfate, filtered and concentrated in vacuo. The mixture was purified by flash chromatography with 50% ethyl acetate/hexanes to give a white solid (153 mg, 56%).  $^1$ H NMR (300 MHz, CDCl<sub>3</sub>),  $\delta$ :
- 30 7.33 (m, 5H), 7.02 (m, 4H), 5.55 (m, 1H), 5.08 (m, 2H), 4.19-4.48 (m, 1H), 3.96 (bs, 1H), 3.50 (m, 5H), 3.00 (m, 1H), 2.51 (m, 4H), 2.05 (m, 1H), 1.63 (m, 5H), 1.42 (s, 9H), 1.20 (m, 1H). MS (ESI),  $m^{\dagger}/z$ :  $(M+H)^{\dagger} = 554.4$ .
- Part E: Preparation of (3S,4R)-4-amino-3-[(S)-3-(4-fluoro-benzyl)-piperidine-1-carbonyl]-piperidine-1-carboxylic acid t-butyl ester

In a dry 500-mL Paar flask charged with palladium (10 wt% Pd, dry basis, on carbon, 31 mg) was added methanol (10 mL) and (3S,4R)-4-benzyloxycarbonylamino-3-[(S)-3-(4-fluoro-benzyl)-piperidine-1-carbonyl]-5 piperidine-1-carboxylic acid t-butyl ester (150 mg, 2.08 The reaction mixture was hydrogenated at 45 psi for 20.5 hours with vigorous shaking. The reaction mixture was filtered through a plug of celite. The plug was washed with 20 mL of ethanol and the combined 10 filtrates were concentrated in vacuo to give a colorless oil (111 mg, 98%).  $^{1}$ H NMR (300 MHz, CDCl<sub>3</sub>),  $\delta$ : 8.75 (bs, 2H), 7.09 (m, 2H), 6.97 (m, 2H), 4.30 (m, 1H), 4.01 (m, 2H), 3.70 (m, 2H), 3.25 (m, 1H), 3.10 (m, 1H), 2.75 (m, 1H), 2.48 (m, 4H), 1.82 (m, 5H), 1.42 (s, 9H), 1.21 (m, 15 2H). MS (ESI),  $m^{+}/z$ :  $(M+H)^{+} = 420.3$ .

# Part F: Preparation of (3S,4R)-4-[3-(3-acetyl-phenyl)-ureido]-3-[(S)-3-(4-fluoro-benzyl)-piperidine-1-carboxylic acid t-butyl ester

20 In a dry flask (3S,4R)-4-amino-3-[(S)-3-(4-fluorobenzyl)-piperidine-1-carbonyl]-piperidine-1-carboxylic acid t-butyl ester (43 mg, 0.10 mmol) was dissolved in tetrahydrofuran (2 mL) and then triethylamine (19 µL, 0.14 mmol) and 3-acetylphenylisocyanate (17  $\mu$ L, 0.12 mmol) were added. After stirring for 18 hours, removed 25 half of the reaction mixture for purification. remainder of the reaction mixture was taken onto the next reaction without purification. The aliquot was purified by preparative reverse-phase HPLC (10-80% acetonitrile 30 in water with 0.05% trifluoroacetic acid) to give a white amorphous solid (17 mg, 57%). H NMR (400 MHz, DMSO-d6, 120 °C),  $\delta$ : 8.64 (s, 1H), 7.94 (m, 1H), 7.57 (d, J = 8, 1H), 7.46 (d, J = 8, 1H), 7.33 (t, J = 8, 1H), 7.17 (m, 2H), 7.00 (t, J = 9, 2H), 6.13 (d, J = 8, 1H), 4.07 (m, 1H), 3.87 (m, 1H), 3.61 (m, 1H), 3.42 (dd, J = 14, J' =35 4, 1H), 3.32 (m, 1H), 2.98 (m, 2H), 2.70 (m, 1H), 2.50 (m, 1H), 2.49 (s, 3H), 2.02 (m, 1H), 1.73 (m, 3H), 1.53

(m, 1H), 1.39 (s, 9H), 1.22 (m, 2H). HRMS (ESI),  $C_{32}H_{42}FN_4O_5$  m<sup>+</sup>/z: calc. = 581.3139, found = 581.3149.

#### Example 30

5 Preparation of 1-(3-acetyl-phenyl)-3-{(3S,4R)-3-[(S)-3-(4-fluoro-benzyl)-piperidine-1-carbonyl]-piperidin-4-yl}urea, trifluoroacetic acid salt

In a dry flask (3S, 4R) - 4 - [3 - (3 - acetyl - phenyl) ureido]-3-[(S)-3-(4-fluoro-benzyl)-piperidine-1-10 carbonyl]-piperidine-1-carboxylic acid t-butyl ester (17 mg, 0.029 mmol in 1 mL of tetrahydrofuran) was concentrated in vacuo, redissolved in dichloromethane (1 mL), and trifluoroacetic acid (0.5 mL) was added. reaction mixture was stirred for 4 hours. The reaction 15 mixture was concentrated in vacuo then purified by preparative reverse-phase HPLC (10-80% acetonitrile in water with 0.05% trifluoroacetic acid) to give a white amorphous solid (13 mg, 38%). H NMR (400 MHz, DMSO-d6, 120 °C),  $\delta$ : 8.49 (s, 1H), 8.24 (bs, 2H), 7.93 (s, 1H), 20 7.58 (d, J = 9, 1H), 7.49 (d, J = 7, 1H), 7.35 (t, J = 8,1H), 7.12 (t, J = 8, 2H), 6.97 (t, J = 9, 2H), 6.28 (d, J= 8, 1H), 4.17 (m, 1H), 3.83 (m, 1H), 3.46 (bs, 1H), 3.27(m, 1H), 3.13 (m, 3H), 2.97 (m, 3H), 2.47 (s, 3H), 2.01 (m, 1H), 1.82 (m, 2H), 1.67 (m, 2H), 1.37 (m, 1H), 1.20 25 (m, 1H). HRMS (ESI),  $C_{27}H_{34}FN_4O_3$  m<sup>+</sup>/z: calc. = 481.2615,

#### Example 31

found = 481.2632.

Preparation of (3R,4R)-4-[3-(3-acetyl-phenyl)-ureido]-3[(S)3-(4-fluoro-benzyl)-piperidin-1-ylmethyl]-piperidine1-carboxylic acid methyl ester, trifluoroacetic acid salt
In a dry flask 1-(3-acetyl-phenyl)-3-{(3R,4R)-3[(S)-3-(4-fluoro-benzyl)-piperidin-1-ylmethyl]-piperidin4-yl}-urea (47 mg, 0.07 mmol) was dissolved in
dichloromethane (2 mL), and then triethylamine (70 μL,

0.50 mmol) and methyl chloroformate (7 μL, 0.09 mmol)
were added. The reaction mixture was stirred for 17
hours. The reaction mixture was concentrated in vacuo
then was purified by preparative reverse-phase HPLC (10-

80% acetonitrile in water with 0.05% trifluoroacetic acid) to give a white amorphous solid (17 mg, 38%). <sup>1</sup>H NMR (300 MHz, CD<sub>3</sub>OD), δ: 8.04 (s, 1H), 7.63 (d, 1H, J = 8), 7.57 (d, 1H), J = 10), 7.39 (t, 1H, J = 8), 7.18 (m, 2H), 6.99 (t, 2H, J = 9), 4.05 (d, 1H, J = 14), 3.88 (m, 1H), 3.69 (s, 3H), 3.64 (m, 1H), 3.52 (bm, 2H), 3.27 (m, 2H), 3.17-2.89 (m, 4H), 2.64 (m, 2H), 2.56 (s, 3H), 2.08 (bs, 2H), 1.94 (d, 2H, J = 14), 1.77 (m, 2H), 1.60 (m, 1H), 1.23 (m, 1H). HRMS (ESI), C<sub>29</sub>H<sub>38</sub>FN<sub>4</sub>O<sub>4</sub> m<sup>+</sup>/z: calc.

#### Example 32

Preparation of 1-(3-acetyl-phenyl)-3-{(3R,4R)-1-(2,2-dimethyl-propionyl)-3-[(S)3-(4-fluoro-benzyl)-piperidin-

15 <u>1-ylmethyl]-piperidin-4-yl}-urea</u>

In a dry flask 1-(3-acetyl-r

In a dry flask 1-(3-acetyl-phenyl)-3-{(3R,4R)-3-[(S)-3-(4-fluoro-benzyl)-piperidin-1-ylmethyl]-piperidin-4-yl}-urea (43 mg, 0.07 mmol) was dissolved in dichloromethane (2 mL), and then triethylamine (65  $\mu$ L,

- 0.47 mmol) and pivaloyl chloride (12  $\mu$ L, 0.10 mmol) were added. The reaction mixture was stirred for 17 hours. The reaction mixture was concentrated in vacuo then was purified by preparative reverse-phase HPLC (10-80% acetonitrile in water with 0.05% trifluoroacetic acid) to
- give a white amorphous solid (18 mg, 38%).  $^{1}$ H NMR (300 MHz, CD<sub>3</sub>OD),  $\delta$ : 8.04 (s, 1H), 7.64 (d, 1H, J = 7), 7.58 (dd, 1H, J = 7, J' = 1), 7.40 (t, 1H, J = 8), 7.19 (m, 2H), 6.99 (t, 2H, J = 9), 4.27 (d, 1H, J = 14), 4.14 (d, 1H, J = 15), 3.71 (m, 1H), 3.48 (bm, 3H), 3.25 (m, 2H),
- 30 3.07 (m, 1H), 2.95 (m, 2H), 2.66 (m, 2H), 2.57 (s, 3H), 1.98 (m, 4H), 1.76 (m, 2H), 1.62 (m, 1H), 1.28 (s, 9H), 1.20 (m, 1H). HRMS (ESI),  $C_{32}H_{44}FN_4O_3$  m<sup>+</sup>/z: calc. 551.3397, found = 551.3402.

### 35 Example 44

Part A: Preparation of (R)-4-Benzyl-3-[5-(tert-butyl-diphenyl-silanyloxy)-pentanoyl]-oxazolidin-2-one

To a stirring solution of pivaloyl chloride (3.39 mL, 27.5 mmol) and triethylamine (4.39 mL, 31.4 mmol) in dry ether in a flame-dried round bottom flask under N2 at 0 °C was added 5-(tert-butyl-diphenyl-silanyloxy)pentanoic acid prepared according to procedures of Barrett, A. G. M.; et al J. Org. Chem. 54(14), 3321 (9.35 g, 26.2 mmol). The reaction was warmed to room temperature, and, after 25 min, the white precipitate was removed by filtration. The filtrate was 10 concentrated in vacuo to a colorless oil. The oil was dissolved in dry ether (6 mL) and added via cannula to a solution of lithiated oxazolidinone prepared by treating a solution of oxazolidinone (4.64 g, 26.2 mmol) in dry THF (150 mL) in a flame-dried round bottom flask under  $N_2$ at -78 °C with n-butyllithium in hexane (22.4 mL, 1.17 M) 15 until the solution became pale yellow in color. The reaction was stirred for 40 min and then poured into 1N aqueous hydrogen chloride. The reaction was extracted with ethyl acetate  $(3 \times 150 \text{ mL})$ . The organic layers were combined, washed with saturated aqueous sodium 20 bicarbonate, brine, dried over sodium sulfate, and concentrated in vacuo to a colorless oil. The oil was purified by flash chromatography (SiO2, 5-30% ethyl acetate in hexanes) to yield 10.9 g (80.7%) of a white solid. MS (APCI),  $m^{\dagger}/z$ :  $(M + H)^{\dagger} = 516.5$ . 25

# Part B: Preparation of (4R)-4-Benzyl-3-{(2R,3R)-2-[3-(tert-butyl-diphenyl-silanyloxy)-propyl]-3-hydroxy-5-phenyl-pent-4-enoyl}-oxazolidin-2-one

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To a stirring solution of (R)-4-benzyl-3-[5-(tert-butyl-diphenyl-silanyloxy)-pentanoyl]-oxazolidin-2-one (1.64 g, 3.19 mmol) in dry methylene chloride (15.9 mL) in a flame dried round bottom flask under N<sub>2</sub> at 0 °C was added titanium(IV) chloride (386  $\mu$ L, 3.51 mmol). After 5 min, (-)-sparteine (1.83 mL, 7.97 mmol) was added. After 20 min, trans-cinnamaldehyde (442  $\mu$ L, 3.51 mmol) was added dropwise to the purple suspension, and the resulting pale green-yellow solution was stirred for 1 h.

The reaction was quenched by the addition of 50% saturated ammonium chloride (50 mL), diluted with water (100 mL), and then extracted with methylene chloride (3  $\times$  30 mL). The organic layers were combined, washed with brine, dried over sodium sulfate, and concentrated in vacuo to a colorless oil. The oil was purified by flash chromatography (SiO<sub>2</sub>, 15-30% ethyl acetate in hexanes) to yield 1.72 g (83.1%) of the desired product as a white solid. MS (APCI),  $m^*/z$ : (M + H) $^+$  = 648.

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# Part C: Preparation of (4R)-4-Benzyl-3-[(2R,3R)-3-hydroxy-2-(3-hydroxy-propyl)-5-phenyl-pent-4-enoyl]-oxazolidin-2-one

To a stirring solution of (4R)-4-benzy1-3-{(2R,3R)-15 2-[3-(tert-butyl-diphenyl-silanyloxy)-propyl]-3-hydroxy-5-phenyl-pent-4-enoyl}-oxazolidin-2-one (1.80 g, 2.78 mmol) in pyridine (7.20 mL) in a nalgene vial at 0 °C was added hydrogen fluoride-pyridine (3.6 mL). After 20 min, additional 1 mL aliquots of hydrogen fluoride-pyridine 20 were added to the reaction solution until no starting material was detected by thin-layer chromatography. reaction was made basic with saturated aqueous sodium bicarbonate, acidified with 6N aqueous hydrogen chloride (100 mL), and washed with ethyl acetate  $(3 \times 50 \text{ mL})$ . 25 combined organics were dried over sodium sulfate. concentrated in vacuo, and the resulting residue was purified by flash chrom. (SiO<sub>2</sub>, 50-80% ethyl acetate in hexanes) to give 1.0 g (87.7%) of the desired diol as a foamy white solid. MS (ESI),  $m^{\dagger}/z$ :  $(M + Na)^{\dagger} = 432.2$ .

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# Part D: Preparation of (4R)-4-Benzyl-3-[(2R,3R)-2-styryl-tetrahydro-pyran-3-carbonyl]-oxazolidin-2-one

To a stirring solution of (4R)-4-benzyl-3-[(2R,3R)-3-hydroxy-2-(3-hydroxy-propyl)-5-phenyl-pent-4-enoyl]-oxazolidin-2-one (3.88 g, 9.49 mmol) in anhydrous methylene chloride (100 mL) in a flame-dried round bottom flask under N<sub>2</sub> at -78 °C was added 2,6-lutidine (2.76 mL, 23.7 mmol). Trifluoromethanesulfonic anhydride (1.68 mL,

9.96 mmol) was then added dropwise; after 5 min, the reaction was quenched with saturated aqueous sodium bicarbonate (50 mL), the layers were separated, and the aqueous layer was washed with methylene chloride (2  $\times$ 50 mL). The combined organic layers were dried over sodium sulfate, concentrated in vacuo, and purified by flash chromatography (SiO<sub>2</sub>, 20-30% ethyl acetate in hexanes) to yield a pale yellow oil. The resulting oil was diluted with ethyl acetate (50 mL), the organic layer was washed once with 1N aqueous hydrogen chloride (50 mL) to remove residual 2,6-lutidine, and the ethyl acetate was concentrated in vacuo to yield the desired tetrahydropyran (2.35g, 63.3%) as a pale yellow oil. MS (APCI),  $m^*/z$ : (M + H)  $^*$  = 392.4.

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### Part E: Preparation of (2R,3R)-2-Styryl-tetrahydropyran-3-carboxylic acid

To a stirring solution of (4R)-4-benzyl-3-[(2R,3R)-2-styryl-tetrahydro-pyran-3-carbonyl]-oxazolidin-2-one 20 (177 mg, 0.453 mmol) in 4:1 tetrohydrofuran:water (2.27 mL) at 0 °C was added lithium hydroxide (17.3 mg, 0.724 mmol) dissolved in 900 µL of water. To the resulting solution was added 30 wt% aqueous hydrogen peroxide (205 μL) dropwise, and the now pale yellow solution was 25 stirred for 30 min. The solution was then poured into water (50 mL) containing a 1.5 mL-aliquot of 1.3 M sodium sulfite, and the resulting ageuous layer was acidified with 6N aqueous hydrogen chloride (10 mL). The aqueous layer was washed with ethyl acetate  $(3 \times 50 \text{ mL})$ , and the 30 combined organic layers were washed with brine (15 mL), dried over sodium sulfate, and concentrated in vacuo. The resulting residue was purified by flash chromatography (SiO2, 33% ethyl acetate in hexanes) to yield the desired product 100 mg (95%) as a pale yellow 35 oil. MS (ESI),  $m^{\dagger}/z$ :  $(M + H)^{\dagger} = 233.2$ .

### Part F: Preparation of [(2R,3R)-2-Styryl-tetrahydropyran-3-yl]-carbamic acid tert-butyl ester

To a stirring solution of (2R,3R)-2-styryltetrahydro-pyran-3-carboxylic acid (106 mg, 0.456 mmol)
in anhydrous tert-butanol (5 mL) under nitrogen in a
flame-dried round bottom flask was added sequentially
triethylamine (95 μL, 0.684 mmol) and diphenylphosphoryl
azide (98 μL,0.456 mmol). The reaction was warmed to
reflux conditions and maintained at reflux for 15 h. The
reaction solution was then cooled to 23 °C, concentrated,
and purified by flash chromatography (SiO<sub>2</sub>, 30% ethyl
acetate in hexanes) to yield the desired carbamate (76.4
mg, 55.5%) as a white solid. MS (ESI), m<sup>+</sup>/z: (M + H)<sup>+</sup> =
304.3.

# Part G: Preparation of [(2R,3R)-2-formyl-tetrahydro-pyran-3-yl]-carbamic acid tert-butyl ester

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Through a stirring solution of [(2R,3R)-2-styry1-tetrahydro-pyran-3-y1]-carbamic acid tert-butyl ester (27 mg, 0.089 mmol) in methanol (2 mL) at -78 °C was bubbled ozone until the reaction solution was blue in color. Excess triphenylphosine (500 mg) was added, and the reaction was allowed to warm to 23 °C. The resulting mixture was concentrated and purified by flash chromatography (SiO<sub>2</sub>, 7-40% ethyl acetate in hexanes) to give the desired aldehyde (20 mg, 98%) as a pale yellow oil. MS (APCI),  $m^*/z$ : (M + H) $^*$  = 230.

# Part H: Preparation of {(2S,3R)-2-[(S)-3-(4-Fluoro-benzyl)-piperidin-1-ylmethyl]-tetrahydro-pyran-3-yl}-carbamic acid tert-butyl ester

To a stirring solution of [(2R,3R)-2-formyl-tetrahydro-pyran-3-yl]-carbamic acid tert-butyl ester (20 mg, 0.0873 mmol) in 1,2-dichloroethane (2 mL) in a flamedried round bottom flask under nitrogen was added (S)-(+)-3-(4-fluorobenzyl)piperidine (R)-mandelate (36.2 mg, 0.105 mmol). To this suspension was added methanol (200  $\mu$ L), and the resulting solution was treated with sodium triacetoxyborohydride (36 mg, 0.170 mmol). The cloudy yellow suspension was stirred for 15 h and then poured

into 1N hydrogen chloride (50 mL). The aqueous layer was basified with 12N aqueous sodium hydroxide and then extracted with ethyl acetate (3  $\times$ 50 mL). The combined organic layers were washed with brine (30 mL), dried over sodium sulfate, and concentrated in vacuo. The resulting residue was purified by flash chromatography to yield the desired carbamic acid (33.1 mg, 93.5%) as a yellow oil. MS (AP $^{+}$ ),  $m^{+}/z$ : (M + H) $^{+}$  = 407.5.

# 10 Part I: Preparation of (2S,3R)-2-[(S)-3-(4-Fluoro-benzyl)-piperidin-1-ylmethyl]-tetrahydro-pyran-3-ylamine

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To  $\{(2S,3R)-2-[(S)-3-(4-\text{fluoro-benzyl})-\text{piperidin-1-ylmethyl}]-\text{tetrahydro-pyran-3-yl}-\text{carbamic acid tert-butyl}$  ester (33 mg, 0.0813 mmol) was added 4 M hydrogen chloride in dioxane (7 mL). After stirring for one hour, the solution was concentrated in vacuo to give  $(2S,3R)-2-[(S)-3-(4-\text{fluoro-benzyl})-\text{piperidin-1-ylmethyl}]-\text{tetrahydro-pyran-3-ylamine dihydrochloride as a pale yellow residue (30.8 mg, 100%). This residue was dissolved in ethyl acetate and poured into 1N sodium hydroxide (20 mL). The layers were separated, and the resulting aqueous layer was washed with ethyl acetate (3 <math>\times$  50 mL). The combined organic layers were washed with

concentrated in vacuo to yield  $(2S,3R)-2-[(S)-3-(4-fluoro-benzyl)-piperidin-1-ylmethyl]-tetrahydro-pyran-3-ylamine (24.9 mg, 100%) as a pale yellow oil. MS (APCI), <math>m^{+}/z$ :  $(M + H)^{+} = 307.4$ .

brine (20 mL), dried over sodium sulfate, and

# Part J: Preparation of 1-(3-Acetyl-phenyl)-3-{(2S,3R)-2-[(S)-3-(4-fluoro-benzyl)-piperidin-1-ylmethyl]-tetrahydro-pyran-3-yl}-urea

To a solution of (2S,3R)-2-[(S)-3-(4-fluoro-benzyl)-piperidin-1-ylmethyl]-tetrahydro-pyran-3-ylamine

35 dihydrochloride (16 mg, 0.043 mmol - prepared according to Part I) and excess triethylamine (100 µL, 0.719 mmol) in methylene chloride (1 mL) was added 3-acetylphenyl isocyanate (6.9 mg, 0.043) dissolved in methylene

chloride (1 mL). The resulting yellow solution was shaken vigorously for 20 sec, and allowed to stand at 23  $^{\circ}$ C for 10 min. The solution was then concentrated in vacuo, and the resulting residue was purified by flash chromatography (5% methanol in methylene chloride) to yield the desired urea (13 mg, 65%) as a pale yellow oil. MS (ESI),  $m^{+}/z$ : (M + H) $^{+}$  = 468.3.

#### Example 45

Preparation of 1-{(2S,3R)-2-[(S)-3-(4-Fluoro-benzyl)-piperidin-1-ylmethyl]-tetrahydro-pyran-3-yl}-3-[3-(1-methyl-1H-tetrazol-5-yl)-phenyl]-urea, trifluoroacetic acid salt

To a stirring solution of (2S,3R)-2-[(S)-3-(4-15 fluoro-benzyl)-piperidin-1-ylmethyl]-tetrahydro-pyran-3ylamine (24 mg, 0.078 mmol) in anhydrous acetonitrile (1 mL) in a flame-dried round bottom flask under nitrogen was added [3-(1-methyl-1H-tetrazol-5-yl)-phenyl]-carbamic acid phenyl ester (22.8 mg, 0.077 mmol). The resulting solution was stirred for 15 h and was then concentrated. 20 Purification of the resulting residue via flash chromatography (5% methanol in dichloromethane) gave 27.3 mg (68%) of a slightly impure off-white solid. solid was further purified by preparative reverse-phase 25 HPLC (10-90% acetonitrile in water with 0.05% trifluoroacetic acid) to give the desired product (12.7 mg, 31.8%) as an amorphous solid. MS (ESI),  $m^{\dagger}/z$ : (M + H  $- CF_3CO_2)^{\dagger} = 508.4.$ 

#### Example 46

Preparation of 1-[3-(5-Acetyl-4-methyl-thiazol-2-yl)phenyl]-3-{(2S,3R)-2-[(S)-3-(4-fluoro-benzyl)-piperidin1-ylmethyl]-tetrahydro-pyran-3-yl}-urea

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To a stirring solution of (2S,3R)-2-[(S)-3-(4-fluoro-benzyl)-piperidin-1-ylmethyl]-tetrahydro-pyran-3-ylamine (10 mg, 0.033 mmol) in anhydrous acetonitrile (1 mL) in a flame-dried round bottom flask was added [5-acetyl-4-methyl-thiazol-2-yl)- carbamic acid phenyl ester (11 mg, 0.039 mmol). The resulting solution was stirred for 15 h and was then concentrated. Purification of the

resulting residue via flash chromatography (5% methanol in methylene chloride) followed by preparative reversephase HPLC (10-90% acetonitrile in water with 0.05% trifluoroacetic acid) gave an amorphous solid. The resulting amorphous solid was dissolved in ethyl acetate (10 mL) and washed with saturated aqueous sodium bicarbonate (20 mL). The aqueous layer was washed with ethyl acetate (10 mL) and the organic layers were combined, dried over sodium sulfate, and concentrated in vacuo to yield the desire product (10.2 mg, 63.8%) as an amorphous solid. MS (APCI), m\*/z: (M + H)\* = 489.6.

#### Example 47

### Part A: Preparation of (2R, 3R)-3-tert-

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15 Butoxycarbonylamino-tetrahydro-pyran-2-carboxylic acid To a stirring solution of [(2R,3R)-2-formyltetrahydro-pyran-3-yl]-carbamic acid tert-butyl ester (57.7 mg, 0.251 mmol) in methylene chloride (2 mL) was added tetramethyl-ammonium bromide (4.1 mg, 0.012 mmol) 20 and 2,2,6,6-tetramethyl-1-piperidinyloxy, free radical (1 mg, 0.003 mmmol), followed by a solution of potassium bromide (3 mg, 0.03 mmol) in water (1 mL). Upon cooling the mixture to 0 °C, aqueous sodium hypochlorite (3.6 mL, 0.35 M) made pH 8.6 with sodium bicarbonate (50 mg/mL of 0.35 M NaOCl) was added, and the resulting yellow/orange 25 mixture was stirred vigorously for 5 min. The reaction was poured into 1N aqueous sodium hydroxide (50 mL), acidified with 1N aqueous hydrogen chloride (55 mL), and washed with ethyl acetate  $(3 \times 50 \text{ mL})$ . The combined 30 organic layers were dried over sodium sulfate. concentrated in vacuo, and the resulting residue was purified by flash chromatography (SiO<sub>2</sub>, 30-50% ethyl acetate in hexanes then 70% ethyl acetate in hexanes containing 5% acetic acid and 1% methanol) to give the desired product (55.5 mg, 89.5%) as a foamy solid. MS 35 (ESI),  $m^{-}/z$ :  $(M - H)^{-} = 244$ .

Part B: Preparation of {(2R,3R)-2-[(S)-3-(4-Fluoro-benzyl)-piperidine-1-carbonyl]-tetrahydro-pyran-3-yl}-carbamic acid tert-butyl ester

To a stirring solution of (2R,3R)-3-tert-butoxy-5 carbonylamino-tetrahydro-pyran-2-carboxylic acid (55.5 mg, 0.226 mmol) in dichloromethane (2.5 mL) in a flamedried round bottom flask under nitrogen was added benzotriazol-1-yloxytripyrrolidinophosphonium hexafluorophosphate (110 mg, 0.249 mmol) and 10 triethylamine (63  $\mu$ L, 0.452 mmol). The reaction was allowed to stir for 10 min before the addition of (S)-3-(4-fluoro-benzyl) - piperidine (52.3 mg, 0.271 mmol) in one portion. After an additional 10 min, the solution was poured into saturated aqueous sodium bicarbonate (20 15 mL), and the aqueous layer was washed with ethyl acetate  $(3 \times 50 \text{ mL})$ . The combined organic layers were washed with saturated aqueous sodium chloride (20 mL), dried over sodium sulfate, and concentrated. The resulting residue was purified by flash chromatography (SiO2, 10-30% ethyl 20 acetate in hexanes) to yield the desired carbamic acid (56 mg, 59%) as a white solid. MS (APCI),  $m^{\dagger}/z$ :  $(M + H)^{\dagger}$ 421.5.

Part C: Preparation of (2R,3R)-(3-Amino-tetrahydropyran-2-yl)-[(S)-3-(4-fluoro-benzyl)-piperidin-1-yl]methanone hydrochloride

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To  $\{(2R,3R)-2-[(S)-3-(4-fluoro-benzyl)-piperidine-1-carbonyl]-tetrahydro-pyran-3-yl}-carbamic acid tert-butyl ester (56 mg, 0.133 mmol) was added 4 M hydrogen chloride in dioxane (10 mL). The resulting pale yellow solution was allowed to stir for 20 min and was then concentrated to give the desired product (43 mg, 100%) as a pale yellow oil. MS (ESI), <math>m^*/z$ :  $(M + H)^* = 321.3$ .

35 Part D: Preparation of 1-(3-Acetyl-phenyl)-3-{(2R,3R)-2-[(S)-3-(4-fluoro-benzyl)-piperidine-1-carbonyl]tetrahydro-pyran-3-yl}-urea To a solution of  $(2R,3R)-(3-amino-tetrahydro-pyran-2-yl)-[(S)-3-(4-fluoro-benzyl)-piperidin-1-yl]-methanone hydrochloride (14 mg, 0.044 mmol) in dichloromethane (500 <math>\mu L$ ) containing an excess of triethylamine (100  $\mu L$ , 0.719 mmol) was added 3-acetylphenyl isocyanate (7.0 mg, 0.044 mmol) in methylene chloride (500  $\mu L$ ). The resulting yellow solution was shaken vigorously for 20 sec and allowed to sit at 23 °C before being concentrated. The resulting residue was purified by flash chormatography (SiO<sub>2</sub>, 50-90 ethyl acetate in hexanes, then 90% ethyl acetate in hexanes containing 2% methanol) to yield the desired urea (18 mg, 85.3%) as a white solid. MS (ESI), m<sup>+</sup>/z:  $(M + H)^+ = 482.6$ .

15 Example 48

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<u>Preparation of 1-{(2R,3R)-2-[(S)-3-(4-Fluoro-benzyl)-piperidine-1-carbonyl]-tetrahydro-pyran-3-yl}-3-[3-(1-methyl-1H-tetrazol-5-yl)-phenyl]-urea</u>

In a single portion was added [3-(1-methyl-1H-20 tetrazol-5-yl)-phenyl]-carbamic acid phenyl ester (14.2 mg, 0.0481 mmol) in anhydrous acetonitrile (1 mL) to (2R,3R)-(3-amino-tetrahydro-pyran-2-y1)-[(S)-3-(4-fluorobenzyl)-piperidin-1-yl]-methanone (14 mg, 0.044 mmol) that had been derived from treatment of (2R,3R)-(3-amino-25 tetrahydro-pyran-2-y1)-[(S)-3-(4-fluoro-benzy1)piperidin-1-yl]-methanone hydrochloride in ethyl acetate with 1N sodium hydroxide, brine, and concentration in vacuo. The pale yellow solution containing carbamic acid pheny ester and methanone was treated with N, N-30 dimethylformamide (500 µL) and stirred for 15 hours. Additional carbamic acid phenyl ester (14.2 mg, 0.0481 mmol) was added, the resulting solution was heated for 6 hr at 35 °C, and it was then cooled to room temperature. After stirring for an additional 12 hours, the reaction 35 was concentrated and the resulting residue was purified by flash chromatography (45% methylene chloride in ethyl acetate containing 5% methanol) to yield the desired urea (14 mg, 59%) as an off white solid. MS (ESI),  $m^*/z$ : (M + H) $^+$  = 522.5.

#### Example 49

Preparation of 1-[3-(5-Acetyl-4-methyl-thiazol-2-yl)phenyl]-3-{(2R-3R)-2-[(S)-3-(4-fluoro-benzyl)-piperidine1-carbonyl]-tetrahydro-pyran-3-yl}-urea

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To (2R,3R)-(3-amino-tetrahydro-pyran-2-yl)-[(S)-3-(4-fluoro-benzyl)-piperidin-1-yl]-methanone (15 mg, 0.044 mmol- prepared as in Example 50) in anhydrous acetonitrile (1 mL) was added [5-acetyl-4-methyl-thiazol-

acetonitrile (1 mL) was added [5-acetyl-4-methyl-thiazol-2-yl)- carbamic acid phenyl ester (13.3 mg, 0.0481 mmol). The resulting pale yellow solution was stirred for 15 hours, and additional carbamic acid phenyl ester (13.3 mg, 0.0481 mmol) was added as well as N,N-

dimethylformamide (500  $\mu L$ ). The resulting cloudy mixture was then heated for 3 hr at 35 °C before being cooled to 23 °C. Upon concentration, the resulting residue was purified by flash chromatography (5% methanol in methylene chloride) to yield the desired urea (18 mg,

20 82%) as a white solid. MS (ESI),  $m^{+}/z$ :  $(M + H)^{+} = 503.5$ .

#### Example 283

Part A. Preparation of ethyl 4-hydroxybutyric acid ethyl ester

A solution of γ-butyrolactone (86.1g, 1 mole) in absolute ethanol (1.5 1) was treated with concentrated sulfuric acid (20.4g, 200 mmol) and stirred at room temperature for 18 h. The mixture was neutralized by slowly adding a solution of sodium metal (9.2g, 400 mmol) in ethanol (200 mL). The mixture was concentrated in vacuo, and the residue was filtered through celite. The filtrate was distilled through a packed column (0.08 Torr) to provide recovered lactone (bp 27°C, 14.47 g, 17%) and the product as a colorless liquid (bp 52°C, 41.48g, 31%).

1H NMR (300 mHz, CDCl3)  $\delta$  4.14 (q, J = 7.0 Hz, 2H), 3.69 (t, J = 6.0 Hz, 2H), 2.44 (t, J = 6.9 Hz, 2H), 1.89 (m, 3H), 1.27 (t, J = 7.0 Hz, 3H).

Part B. Preparation of 4-ethoxycarbonylmethoxybutyric acid ethyl ester

A solution of ethyl 4-hydroxybutyric acid ethyl

5 ester (13.2 g, 100 mmol) and rhodium (II) acetate dimer
(440 mg, 1 mmol) in dichloromethane (350 mL) was treated
with a solution of ethyl diazoacetate (17.1 g, 150 mmol)
in dichloromethane (70 mL) over 4 h. The mixture was
stirred at room temperature for 20 h, and concentrated in
10 vacuo. The residue was distilled on a Kugelrohr apparatus
(80-90°C, 0.2 Torr) to provide the product as a colorless
liquid, contaminated with about 10% by weight of a 1:1
mixture of diethyl maleate and diethyl fumarate (22.02 g,
91%).

20 Part C. Preparation of 3-oxo-tetrahydro-pyran-4-carboxylic acid ethyl ester

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A solution of 4-ethoxycarbonylmethoxybutyric acid ethyl ester (90%, 15.0 g, 61.9 mmol) in toluene (300 mL) was stirred at room temperature and treated over 5 min with a solution of potassium tert-butoxide in tetrahydrofuran (1.0 M, 74.2 mL, 74.2 mmol). The mixture was stirred at room temperature for 24 h, then was poured into 1 N hydrochloric acid. The phases were separated, and the aqueous phase was extracted with ether. The combined organic phases were dried (Na2SO4), filtered and concentrated in vacuo. The residue was purified by flash column chromatography (5% ethyl acetate/hexanes) to provide the product as a pale yellow liquid (5.06 g, 48%).

Part D. Preparation of (R)-5-(1-Phenyl-ethylamino)-3,6-dihydro-2H-pyran-4-carboxylic acid ethyl ester

A solution of 3-oxo-tetrahydro-pyran-4-carboxylic

5 acid ethyl ester (3.03 g, 17.6 mmol), R-(+)-αmethylbenzylamine (2.35 g, 19.4 mmol) and ptoluenesulfonic acid hydrate (67 mg, 230 μmol) in benzene
(60 mL) was heated at reflux under a Dean-Stark trap for
16 h. The cooled mixture was concentrated in vacuo to
10 provide the product as a yellow oily semisolid (5.05 g),
used without further purification.

1H NMR (300 mHz, CDCl3)  $\delta$  8.97 (bd, J = 7.3 Hz, 1H), 7.3-7.2 (m, 5H), 4.41 (m, 1H), 4.30 (d, J = 16.1 Hz, 1H), 4.18 (q, J = 7.3 Hz, 2H), 3.91 (d, J = 16.1 Hz, 1H), 3.64 (m, 2H), 2.34 (m, 2H), 1.48 (d, J = 6.5 Hz, 3H), 1.30 (t, J = 7.3 Hz, 3H).

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Part E. Preparation of (3S,4R)-3-[(R)-1-Phenyl-ethylamino]-tetrahydro-pyran-4-carboxylic acid ethyl ester

A solution of crude (R)-5-(1-Phenyl-ethylamino)-3,6-dihydro-2H-pyran-4-carboxylic acid ethyl ester (4.53 g, ca. 16.5 mmol) was dissolved in trifluoroacetic acid (45 mL) and treated with triethylsilane (7.9 mL, 49.4 mmol).

The mixture was stirred for 17 h and then concentrated. The residue was dissolved in water and adjusted to pH 10 with 50% sodium hydroxide. The mixture was extracted with dichloromethane, and the combined organic phases were dried (Na2SO4) and concentrated. The residue was purified by flash column chromatography (40% diethyl ether/petroleum ether) to provide the product as a colorless oil (1.63 g, 36%).

1H NMR (300 mHz, CDCl3)  $\delta$  7.22 (m, 4H), 7.16 (m, 1H), 4.14 (q, J = 7.3 Hz, 2H), 3.77 (m, 2H), 3.60 (q, J = 35 7.3 Hz, 1H), 3.23 (m, 1H), 2.83 (m, 2H), 2.31 (m, 1H), 1.77 (m, 2H), 1.24 (m, 6H), ESI MS: (M+H)+ = 278.1 (100%).

Part F. Preparation of (3S,4R)-3-[(R)-1-Phenyl-ethylamino]-tetrahydro-pyran-4-carboxylic acid

A solution of (3S,4R)-3-[(R)-1-Phenyl-ethylamino]tetrahydro-pyran-4-carboxylic acid ethyl ester (726 mg,
2.6 mmol) in tetrahydrofuran (6 mL) was treated with 1.0
M sodium hydroxide solution (5.2 mL, 5.2 mmol) and the
heterogeneous mixture was stirred at room temperature.
After 16 h, the now homogeneous solution was treated with
1.0 M hydrochloric acid (5.2 mL, 5.2 mmol) and
concentrated in vacuo. The residue was dissolved in water
and lyophilized to provide the product, along with sodium
chloride, as a fluffy white solid (943 mg, quantitative),
used without further purification.

1H NMR (300 mHz, CDCl3)  $\delta$  7.41 (m, 5H), 4.09 (q, J = 6.6 Hz, 1H), 3.98 (dd, J = 11.7, 4.0 Hz, 1H), 3.77 (m, 1H), 3.33 (m, 1H), 3.08 (m, 2H), 2.37 (m, 1H), 2.19 (m, 1H), 1.79 (m, 1H), 1.61 (d, J = 6.6 Hz, 3H), ESI MS: (M+H)+ = 250.3 (100%).

- Part G. Preparation of [(S)-3-(4-Fluoro-benzyl)-piperidin-1-yl]-[(3S,4R)-3-((R)-1-phenyl-ethylamino)-tetrahydro-pyran-4-yl]-methanone
- (S)-3-(4-fluorobenzyl)-piperidine, mandelic acid salt (1.16 g, 3.35 mmol) was dissolved in 1.0 M sodium 25 hydroxide (30 mL) and extracted with ethyl acetate (4 x 10 mL). The combined organic phases were dried (Na2SO4) and concentrated in vacuo. The free base was used without further purification.

A cloudy solution of (3S,4R)-3-[(R)-1-Phenyl30 ethylamino]-tetrahydro-pyran-4-carboxylic acid
(containing sodium chloride; 943 mg, 2.57 mmol) in
dichloromethane (25 mL) was treated with benzotriazol-1yloxy-tripyrrolidinophosphonium hexafluorophosphate (1.61
g, 3.09 mmol) and triethylamine (826 μL, 5.92 mmol) and
35 stirred for 5 minutes. A solution of the (S)-3-(4fluorobenzyl)-piperidine prepared above in
dichloromethane (5 mL) was added and the mixture was
stirred at room temperature. After 18 h, the mixture was

washed with water and saturated NaHCO3, dried (Na2SO4) and concentrated. The residue was purified by flash column chromatography (75% ethyl acetate/hexanes) to provide the product as a gum (1.10 g, 100%).

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Part H. Preparation of [(S)-3-(4-Fluoro-benzyl)-piperidin-1-yl]-[(3S,4R)-3-aminotetrahydro-pyran-4-yl]-methanone

[(S)-3-(4-Fluoro-benzyl)-piperidin-1-yl]-[(3S,4R)-3((R)-1-phenyl-ethylamino)-tetrahydro-pyran-4-yl]methanone (1.10 g, 2.6 mmol), palladium hydroxide (20
weight % on carbon, dry basis; 440 mg) and ethanol (40
mL) were combined in a pressure bottle and shaken under a
hydrogen atmosphere (55-60 psig) for 20 h. The mixture
was filtered through Celite, and the solids were washed
thoroughly with ethanol. The filtrate was concentrated to
give the product as a glassy foam (803 mg, 96%), used
without further purification.

1H NMR (300 mHz, CD3OD)  $\delta$  7.22 (m, 2H), 7.04 (m, 25 2H), 4.50 and 4.30 (2m, 1H), 4.1-3.6 (3H), 3.5-3.4 (2H), 3.3-2.9 (2H), 2.8-2.4 (4H), 2.0-1.2 (7H), ESI MS: (M+H)+ = 321.2.

Part I. Preparation of (3S, 4S) - 4 - [(S) - 3 - (4 - Fluoro - S) - 4 - [(S) - 4 - (5 - Fluoro - S) - 4 - [(S) - 4 - (5 - Fluoro - S) - 4 - [(S) - 4 - (5 - Fluoro - S) - 4 - [(S) - 4 - (5 - Fluoro - S) - 4 - [(S) - 4 - (5 - Fluoro - S) - 4 - [(S) - 4 - (5 - Fluoro - S) - 4 - [(S) - 4 - (5 - Fluoro - S) - 4 - [(S) - 4 - (5 - Fluoro - S) - 4 - [(S) - 4 - (5 - Fluoro - S) - 4 - [(S) - 4 - (5 - Fluoro - S) - 4 - [(S) - 4 - (5 - Fluoro - S) - [(S) - 4 - (5 - Fluoro - S) - 4 - [(S) - 4 - (5 - Fluoro - S) - [(S)30 benzyl)-piperidin-1-ylmethyl]-tetrahydro-pyran-3-ylamine [(S)-3-(4-Fluoro-benzyl)-piperidin-1-yl]-[(3S,4R)-3aminotetrahydro-pyran-4-yl]-methanone (367 mg, 1.14 mmol) was treated with borane-tetrahydrofuran complex in tetrahydrofuran (1.0 M; 46 mL, 46 mmol) and stirred for 35 20 h. The mixture was treated slowly with 20% acetic acid in methanol (25 mL), and the resulting mixture was stirred at room temperature for 3 h. The solvents were removed, and the residue was dissolved in water, made

basic (pH 11) with 50% sodium hydroxide, and extracted with dichloromethane. The combined organic phases were dried (Na2SO4) and concentrated to provide a gum (313 mg). A portion of this material (175 mg) was purified by flash column chromatography (5% methanol/dichloromethane, containing 0.5% ammonium hydroxide) to provide the product (103 mg, 52%) as an oil which solidified on standing.

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1H NMR (300 mHz, CD30D) & 7.15 (m, 2H), 6.98 (m,

2H), 3.87 (dd, J = 10.3, 3.6 Hz, 1H), 3.78 (dd, J = 11.1,

4.4 Hz, 1H), 3.37 (dd, J = 12.0, 2.4 Hz, 1H), 3.03 (bd,

1H), 3.00 (dd, J = 11.0, 10.2 Hz, 1H), 2.78 (bd, 1H),

2.59 (m, 1H), 2.49 (d, J = 6.6 Hz, 2H), 2.42 (dd, J =

12.8, 8.8 Hz, 1H), 2.23 (dd, J = 12.8, 4.4 Hz, 1H), 1.9
15 1.4 (8H), 1.2 (m, 1H), 1.0 (m, 1H), ESI MS: (M+H)+=

307.1.

Part J. Preparation of 1-{(3S,4S)-4-[(S)-3-(4-Fluorobenzyl)-piperidin-1-ylmethyl]-tetrahydro-pyran-3-yl}-3-[3-methyl-5-(1-methyl-1H-tetrazol-5-yl)-phenyl]-urea, trifluoroacetate salt

(3S,4S)-4-[(S)-3-(4-Fluoro-benzyl)-piperidin-1-ylmethyl]-tetrahydro-pyran-3-ylamine (41 mg, 133 μmol) and [3-methyl-5-(1-methyl-1H-tetrazol-5-yl)-phenyl]-carbamic acid phenyl ester (46 mg, 147 μmol) were dissolved in acetonitrile (1 mL) and the mixture was stirred at room temperature. After 24 h, the mixture was concentrated, dissolved in ethyl acetate, washed with water, dried (Na2SO4) and concentrated. The residue was purified by reverse phase high pressure liquid chromatography (C18, 10-100% acetonitrile in water, containing 0.05% trifluoroacetic acid). After isolation, the product was lyophilized to provide a fluffy white solid (32 mg, 38%).

2.2-1.6 (8H), 1.5 (m, 1H), 1.2 (m, 1H), ESI MS: (M+H)+ = 522.4.

## Example 284

5 Preparation of 1-{(3S,4S)-4-[(S)-3-(4-fluorobenzyl)-piperidin-1-ylmethyl]-tetrahydro-pyran-3-yl}-3-[3-(1-methyl-1H-tetrazol-5-yl)-phenyl]-urea

(3S,4S)-4-[(S)-3-(4-Fluoro-benzyl)-piperidin-1-ylmethyl]-tetrahydro-pyran-3-ylamine (44 mg, 143 μmol) and [3-(1-methyl-1H-tetrazol-5-yl)-phenyl]-carbamic acid phenyl ester (47 mg, 158 μmol) were dissolved in acetonitrile (1 mL) and the mixture was stirred at room temperature. After 24 h, the mixture was concentrated, dissolved in ethyl acetate, washed with water, dried (Na2SO4) and concentrated. The residue was purified by reverse phase high pressure liquid chromatography (C18, 10-100% acetonitrile in water, containing 0.05% trifluoroacetic acid), then by flash column chromatography (5% methanol in dichloromethane, containing 0.5% ammonium hydroxide) to provide the

1H NMR (300 mHz, CD30D)  $\delta$  7.95 (s, 1H), 7.52 (m, 2H), 7.43 (m, 1H), 7.05 (m, 2H), 6.86 (m, 2H), 4.19 (s, 3H), 3.94 (dd, J = 10.7, 4.4 Hz, 1H), 3.87 (bd, 1H), 3.50 (td, J = 9.9, 4.4 Hz, 1H), 3.39 (m, 1H), 3.09 (t, J = 10.2 Hz, 1H), 2.93 (bd, 1H), 2.85 (bd, 1H), 2.56 (dd, J = 12.8, 5.2 Hz, 1H), 2.45 (m, 2H), 2.30 (dd, J = 12.4, 6.6 Hz, 1H), 2.04 (bt, 1H), 1.9-1.5 (7H), 1.40 (m, 1H), 0.95 (m, 1H), ESI MS: (M+H)+ = 508.3 (100%).

product as a glass (16 mg, 23%).

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# Example 285

Preparation of  $1-\{(3S,4S)-4-[(S)-3-(4-fluorobenzyl)-piperidin-1-ylmethyl]-tetrahydro-pyran-3-yl\}-3-[5-acetyl-4-methylthiazol-2-yl]-urea$ 

(3S,4S)-4-[(S)-3-(4-Fluoro-benzyl)-piperidin-1ylmethyl]-tetrahydro-pyran-3-ylamine (49 mg, 160 μmol) and (5-acetyl-4-methylthiazol-2-yl)-carbamic acid phenyl ester (49 mg, 176 μmol) were dissolved in acetonitrile (1 mL) and the mixture was stirred at room temperature. After 24 h, the mixture was concentrated, dissolved in ethyl acetate, washed with water, dried (Na2SO4) and concentrated. The residue was purified by reverse phase high pressure liquid chromatography (C18, 10-100% acetonitrile in water, containing 0.05% trifluoroacetic acid), then by flash column chromatography (5% methanol in dichloromethane, containing 0.5% ammonium hydroxide) to provide the product as a glass (18 mg, 23%).

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# Example 286

 $1-\{(3S, 4S)-4-[(S)-3-(4-fluorobenzyl)-$ Preparation of piperidin-1-ylmethyl]-tetrahydro-pyran-3-yl}-3-(3-20 acetylphenyl) - urea trifluoroacetate salt (3S, 4S)-4-[(S)-3-(4-Fluorobenzyl)-piperidin-1ylmethyl]-tetrahydro-pyran-3-ylamine (45 mg, 146 µmol), 3-acetylphenyl isocyanate (20  $\mu$ L, 146  $\mu$ mol) and triethylamine (21  $\mu$ L, 146  $\mu$ mol) were dissolved in 25 tetrahydrofuran (1 mL) and the mixture was stirred at room temperature. After 22.5 h, the mixture was concentrated. The residue was purified by flash column chromatography (5% methanol in dichloromethane, containing 0.5% ammonium hydroxide), then by reverse 30 phase high pressure liquid chromatography (C18, 10-100% acetonitrile in water, containing 0.05% trifluoroacetic acid) to provide the product as a glass. After lyophilizing the product was a fluffy white powder (42 35 mg, 49%).

1H NMR (300 mHz, CD3OD)  $\delta$  8.09 (t, J = 1.9 Hz, 1H), 7.61 (m, 2H), 7.39 (t, J = 8.1 Hz, 1H), 7.17 (m, 2H),

6.99 (m, 2H), 3.91 (m, 2H), 3.57 (m, 3H), 3.45 (m, 1H), 3.4-3.2 (m, 2H), 3.12 (dd, J = 13.2, 8.2 Hz, 1H), 2.93 (m, 1H), 2.7-2.45 (m, 3H), 2.57 (s, 3H), 2.2-1.7 (m, 6H), 1.50 (m, 1H), 1.20 (m, 1H), ESI MS: (M+H)+ = 468.5 (100%).

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## Example 287

Preparation of  $1-\{(3S,4S)-4-[(S)-3-(4-fluorobenzyl)$ piperidin-1-ylmethyl]-tetrahydro-pyran-3-yl}-3-(2-10 morpholin-4-yl-ethyl)-urea bis-trifluoroacetate salt (3S, 4S)-4-[(S)-3-(4-Fluorobenzyl)-piperidin-1ylmethyl]-tetrahydro-pyran-3-ylamine (44 mg, 144 µmol), (2-morpholin-4-yl-ethyl)-carbamic acid 4-nitro-phenyl ester hydrochloride (58 mg, 173 µmol) and triethylamine 15 (24 μL, 173 μmol) were dissolved in N,N-dimethylformamide (1 mL) and the mixture was stirred at room temperature. After 22.5 h, the mixture was concentrated. The residue was dissolved in ethyl acetate, washed with 1N sodium hydroxide, water, and brine, and dried (Na2SO4) and 20 concentrated. The residue was purified by flash column chromatography (5% methanol in dichloromethane, containing 0.5% ammonium hydroxide), then by reverse phase high pressure liquid chromatography (C18, 10-100% acetonitrile in water, containing 0.05% trifluoroacetic 25 acid) to provide the product as a glass. After lyophilizing the product was a glass (63 mg, 63%). 1H NMR (300 mHz, CD3OD)  $\delta$  7.19 (m, 2H), 7.02 (m, 2H), 4.03 (m, 2H), 3.88 (m, 2H), 3.79 (m, 2H), 3.7-3.3 (m, 8H), 3.3-3.0 (m, 7H), 2.92 (m, 1H), 2.7-2.5 (m, 3H),30 2.1-1.7 (m, 6H), 1.50 (m, 1H), 1.20 (m, 1H), AP MS: (M+H) + = 463.2 (100%).

#### Example 288

Part A. Preparation of (R)-4-(1-phenyl-ethylamino)-2,5-35 dihydrothiophene-3-carboxylic acid methyl ester A solution of 4-oxo-tetrahydrothiophene-3-carboxylic acid methyl ester (prepared according to the procedure of O. Hromatka, D. Binder and K. Eichinger, Monatsheft. Chem. 1973, 104, 1520; 3.20 g, 20 mmol),  $R-(+)-\alpha-$  methylbenzylamine (2.85 mL, 22 mmol), acetic acid (2.85 mL, 50 mmol) and benzene (100 mL) was heated at reflux under a Dean-Stark trap for 4.5 h. The cooled mixture was concentrated in vacuo to provide the product as a viscous yellowish oil (6.2 g) which contained residual acetic acid. The material, which solidified on standing, was used without further purification.

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1H NMR (300 mHz, CDCl3)  $\delta$  8.27 (bd, J = 7.4 Hz, 1H), 7.35 (m, 2H), 7.25 (m, 3H), 4.54 (m, 1H), 3.87 (m, 1H), 3.82 (m, 2H), 3.75 (s, 3H), 3.54 (m, 1H), 1.54 (d, J = 6.6 Hz, 3H).

Part B. Preparation of (3R,4S)-4-[(R)-1-phenylethylamino]-tetrahydrothiophene-3-carboxylic acid methyl ester

A solution of crude (R)-4-(1-Phenyl-ethylamino)-2,5dihydrothiophene-3-carboxylic acid methyl ester (2.82 g, ca. 9.1 mmol) was dissolved in trifluoroacetic acid (50 20 mL) and treated with triethylsilane (4.4 mL, 27.4 mmol). The mixture was stirred for 20 h, when TLC indicated residual starting material. Additional triethylsilane (1.5 mL) was added and the mixture was heated at reflux for 3 h, then was cooled and concentrated. The residue 25 was dissolved in water and adjusted to pH 10 with 50% sodium hydroxide. The mixture was extracted with ether, and the combined organic phases were dried (Na2SO4) and concentrated. The residue was purified by flash column chromatography (15-30% diethyl ether/petroleum ether) to 30 provide the product as a colorless oil (673 mg, 28%).

1H NMR (300 mHz, CDCl3)  $\delta$  7.33 (m, 4H), 7.27 (m, 1H), 3.84 (q, J = 6.6 Hz, 1H), 3.73 (s, 3H), 3.61 (m, 1H), 3.1-3.0 (m, 3H), 2.80 (dd, J = 11.0, 5.8 Hz, 1H), 2.54 (dd, J = 11.0, 6.6 Hz, 1H), 1.37 (d, J = 6.6 Hz, 35) 3H), ESI MS: (M+H)+ = 266.1.

Part C. Preparation of (3R,4S)-4-[(R)-1-phenyl-ethylamino]-tetrahydrothiophene-3-carboxylic acid

A solution of Preparation of (3R,4S)-4-[(R)-1-phenyl-ethylamino]-tetrahydrothiophene-3-carboxylic acid methyl ester (673 mg, 2.54 mmol) in tetrahydrofuran (5 mL) was treated with 1.0 M sodium hydroxide solution (5.0 mL, 5.0 mmol) and the heterogeneous mixture was stirred at room temperature. After 75 min, the now homogeneous solution was treated with 1.0 M hydrochloric acid (5.0 mL, 5.0 mmol) and concentrated in vacuo. The residue was dissolved in water and lyophilized to provide the product, along with sodium chloride, as a fluffy white solid (928 mg, quantitative), used without further purification.

Part D. Preparation of [(S)-3-(4-fluorobenzyl)-piperidin-1-yl]-[(3R,4S)-4-((R)-1-phenyl-ethylamino)-tetrahydrothiophen-3-yl]-methanone

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(S)-3-(4-fluorobenzyl)-piperidine, mandelic acid salt (1.14 g, 3.30 mmol) was stirred in ethyl acetate (20 mL) and 1.0 M sodium hydroxide (25 mL) until the solid dissolved. The layers were separated and the organic phase was extracted with ethyl acetate (2 x 25 mL). The combined organic phases were dried (Na2SO4) and concentrated in vacuo. The free base was used without further purification.

A cloudy solution of (3R,4S)-4-[(R)-1-phenyl-ethylamino]-tetrahydrothiophene-3-carboxylic acid (containing sodium chloride; 928 mg, 2.54 mmol) in dichloromethane (20 mL) was treated with benzotriazol-1-yloxy-tripyrrolidinophosphonium hexafluorophosphate (1.59 g, 3.05 mmol) and triethylamine (814  $\mu$ L, 5.84 mmol) and stirred for 5 minutes. A solution of the (S)-3-(4-fluorobenzyl)-piperidine prepared above in

dichloromethane (5 mL) was added and the mixture was stirred at room temperature. After 21.5 h, the mixture was diluted with dichloromethane, washed with water and saturated NaHCO3, dried (Na2SO4) and concentrated. The residue was purified by flash column chromatography (55% ethyl acetate/hexanes) to provide the product as a gum (1.05 g, 94%).

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1H NMR (300 mHz, CDCl3)  $\delta$  7.32 (m, 4H), 7.27 (m, 1H), 7.10 (m, 2H), 6.99 (m, 2H), 4.47 (m, 1H), 3.9-3.6 (m, 3H), 3.2 (m, 1H), 2.95 (m, 2H), 2.8-2.4 (m, 6H), 1.9-1.6 (m, 4H), 1.4 (m, 1H), 1.37 (m, 3H), 1.2 (m, 1H), ESI MS: (M+H)+ = 427.4.

Part E. Preparation of [1,1-dioxo-(3R,4S)-4-[(R)-1-15 phenyl-ethylamino]-tetrahydrothiophen-3-yl]-[(S)-3-(4fluorobenzyl)-piperidin-1-yl]-methanone

[(S)-3-(4-fluorobenzyl)-piperidin-1-yl]-[(3R,4S)-4-[(R)-1-phenyl-ethylamino]-tetrahydro-thiophen-3-yl]-methanone (1.02 g, 2.39 mmol) was dissolved in methanol (10 mL) and acetone (10 mL) and stirred on ice. Water (10 mL) was added, and the resulting heterogeneous mixture was treated with potassium peroxymonosulfate (Oxone®, 3.67 g, 5.98 mmol). After 5 min the cooling bath was removed and the mixture was stirred at room temperature.

After 20.5 h, the mixture was concentrated and diluted with water. The pH was adjusted to ca. 11 with 1N sodium hydroxide, and the mixture was extracted with ethyl acetate. The combined extracts were dried (Na2SO4) and concentrated, and the residue was purified by flash column chromatography (2.5% 2-propanol/chloroform) to provide the product as a glass (790 mg, 72%).

1H NMR (300 mHz, CDCl3)  $\delta$  7.31 (m, 5H), 7.11 (m, 2H), 7.06 (m, 2H), 4.50 (m, 1H), 4.0-3.7 (m, 3H), 3.5-2.9 (m, 5H), 2.7-2.5 (m, 4H), 1.9-1.6 (m, 4H), 1.43 (m, 1H), 1.33 (m, 3H), 1.20 (m, 1H), ESI MS: (M+H)+ = 459.3.

Part F. Preparation of [(3R,4S)-4-amino-1,1-dioxo-tetrahydrothiophen-3-yl]-[(S)-3-(4-fluorobenzyl)-piperidin-1-yl]-methanone

[1,1-Dioxo-(3R,4S)-4-[(R)-1-phenyl-ethylamino]tetrahydrothiophen-3-yl]-[(S)-3-(4-fluoro-benzyl)piperidin-1-yl]-methanone (790 mg, 1.72 mmol), palladium
hydroxide (20 weight % on carbon, dry basis; 1.1 g) and
methanol (50 mL) were combined in a pressure bottle and
shaken under a hydrogen atmosphere (55-60 psig) for 20.5

10 h. The mixture was filtered through Celite, and the
solids were washed thoroughly with methanol. The filtrate
was concentrated to give the product as a solid (660 mg,
quantitative), used without further purification.

1H NMR (300 mHz, CD30D)  $\delta$  7.20 (m, 2H), 7.00 (m, 2H), 4.45 and 4.32 (2m, 1H), 4.09 (m, 1H), 3.90 and 3.79 (2m, 1H), 3.7-3.4 (m, 2H), 3.13 (m, 2H), 2.87 and 2.69 (2m, 1H), 2.56 (m, 2H), 1.79 (m, 3H), 1.28 (m, 3H), 0.88 (m, 1H), ESI MS: (M+H)+ = 355.2.

Part G. Preparation of (3S,4S)-4-[(S)-3-(4-fluorobenzyl)-piperidin-1-ylmethyl]-1,1-dioxo-tetrahydro-thiophen-3-ylamine

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[(3R,4S)-4-Amino-1,1-dioxo-tetrahydrothiophen-3-yl][(S)-3-(4-fluorobenzyl)-piperidin-1-yl]-methanone (560 mg, 1.46 mmol) was treated with borane-tetrahydrofuran complex in tetrahydrofuran (1.0 M; 58 mL, 58 mmol) and stirred for 16.5 h. The mixture was treated slowly with 20% acetic acid in methanol (38 mL), and the resulting mixture was stirred at room temperature for 5.5 h. The solvents were removed, and the residue was dissolved in water, made basic (pH 11) with 50% sodium hydroxide, and extracted with dichloromethane. The combined organic phases were dried (Na2SO4) and concentrated to provide a gum. This was purified by flash column chromatography (4% methanol/dichloromethane, containing 0.4% ammonium hydroxide) to provide the product (304 mg, 61%) as a white solid.

1H NMR (300 mHz, CD3OD)  $\delta$  7.13 (m, 2H), 6.96 (m, 2H), 3.36 (m, 3H), 2.87 (m, 3H), 2.78 (m, 1H), 2.56 (m, 1H), 2.49 (m, 2H), 2.40 (m, 2H), 1.95 (m, 1H), 1.8-1.6 (m, 4H), 1.50 (m, 1H), 0.95 (m, 1H), ESI MS: (M+H)+= 341.2.

Part H. Preparation of  $1-\{(3S,4S)-4-[(S)-3-(4-fluorobenzyl)-piperidin-1-ylmethyl]-1,1-dioxo-tetrahydro-thiophen-3-yl\}-3-[5-acetyl-4-methylthiazol-2-yl]-urea, trifluoroacetate salt$ 

(3S,4S)-4-[(S)-3-(4-fluorobenzyl)-piperidin-1-ylmethyl]-1,1-dioxo-tetrahydrothiophen-3-ylamine (39 mg, 115 μmol) and [5-acetyl-4-methylthiazol-2-yl]-carbamic acid phenyl ester (35 mg, 126 μmol) were dissolved in N,N-dimethylformamide (0.8 mL) and treated with triethylamine (16 μL, 115 μmol). The mixture was stirred at room temperature for 19 h, and then concentrated. The residue was purified by flash column chromatography (3% methanol/dichloromethane containing 0.3% aqueous ammonium hydroxide). After isolation, the product was treated with trifluoroacetic acid (1 drop), dissolved in water/acetonitrile and lyophilized to provide a fluffy white solid (50 mg, 68%).

1H NMR (300 mHz, CD3OD)  $\delta$  7.23 (m, 2H), 7.04 (m, 25 2H), 4.48 (bm, 1H), 3.62 (m, 4H), 3.45 (m, 1H), 3.3 (m, 2H), 3.1 (m, 2H), 2.85 (m, 2H), 2.6 (m, 2H), 2.58 (s, 3H), 2.47 (s, 3H0, 2.20 (m, 1H), 1.9 (m, 3H), 1.25 (m, 1H), ESI MS: (M+H)+ = 523.3.

# 30 <u>Example 289</u>

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Preparation of  $1-\{(3S,4S)-4-[(S)-3-(4-fluorobenzyl)-piperidin-1-ylmethyl]-1,1-dioxo-tetrahydrothiophen-3-yl}-3-[3-(1-methyl-1H-tetrazol-5-yl)-phenyl]-urea, trifluoroacetate salt$ 

35 (3S,4S)-4-[(S)-3-(4-fluorobenzyl)-piperidin-1-ylmethyl]-1,1-dioxo-tetrahydrothiophen-3-ylamine (41 mg, 120 μmol) and [3-(1-methyl-1H-tetrazol-5-yl)-phenyl]-

carbamic acid phenyl ester (39 mg, 131 μmol) were dissolved in N,N-dimethylformamide (1 mL) and treated with triethylamine (19 μL, 131 μmol). The mixture was stirred at room temperature for 66 h, and then concentrated. The residue was purified by flash column chromatography (3% methanol/dichloromethane containing 0.3% aqueous ammonium hydroxide). After isolation, the product was treated with trifluoroacetic acid (1 drop), dissolved in water/acetonitrile and lyophilized to provide a fluffy white solid (70 mg, 89%).

1H NMR (300 mHz, CD3OD)  $\delta$  7.95 (t, J= 1.4 Hz, 1H), 7.6-7.4 (3H), 7.10 (m, 2H), 6.95 (m, 2H), 4.33 (q, J = 7.7 Hz, 1H), 4.19 (s, 3H), 3.56 (dd, J = 13.6, 7.7 Hz, 1H), 3.38 (dd, J = 13.5, 8.4 Hz, 1H), 3.05 (m, 2H), 2.79 (m, 2H), 2.7-2.4 (5H), 2.05 (m, 1H), 1.9-1.5 (5H), 0.97 (m, 1H), ESI MS: (M+H)+ = 542.5.

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#### Example 290

 $1-\{(3S,4S)-4-[(S)-3-(4-fluorobenzyl)-$ Preparation of 20 piperidin-1-ylmethyl]-1,1-dioxo-tetrahydrothiophen-3-yl}-3-[3-acetylphenyl]-urea, trifluoroacetate salt (3S, 4S)-4-[(S)-3-(4-fluorobenzyl)-piperidin-1ylmethyl]-1,1-dioxo-tetrahydrothiophen-3-ylamine (41 mg, 120  $\mu$ mol) and 3-acetylphenyl isocyanate (16.5  $\mu$ L, 120 25 µmol) were dissolved in N,N-dimethylformamide (1 mL) and treated with triethylamine (17 µL, 120 µmol). The mixture was stirred at room temperature for 66 h, and then concentrated. The residue was purified by flash column chromatography (3% methanol/dichloromethane containing 30 0.3% aqueous ammonium hydroxide). After isolation, the product was treated with trifluoroacetic acid (1 drop), dissolved in water/acetonitrile and lyophilized to provide a fluffy white solid (71 mg, 95%).

1H NMR (300 mHz, CD30D)  $\delta$  8.01 (s, 1H), 7.61 (m, 2H), 7.40 (t, J = 8.0 Hz, 1H), 7.09 (m, 2H), 6.92 (m, 2H), 4.32 (q, J = 8.0 Hz, 1H), 3.56 (dd, J = 9.4, 8.1 Hz, 1H), 3.38 (dd, J = 13.6, 7.4 Hz, 1H), 3.03 (m, 2H), 2.79

(m, 2H), 2.7-2.4 (5H), 2.57 (s, 3H), 2.04 (m, 1H), 1.8-1.4 (5H), 0.94 (m, 1H), ESI MS: (M+H)+=502.5.

## Example 291

Preparation of 1-{(3S,4S)-4-[(S)-3-(4-fluorobenzyl)-piperidin-1-ylmethyl]-1,1-dioxo-tetrahydrothiophen-3-yl}-3-(2-morpholin-4-yl-ethyl)-urea, bis-hydrochloride salt (3S,4S)-4-[(S)-3-(4-fluorobenzyl)-piperidin-1-ylmethyl]-1,1-dioxo-tetrahydrothiophen-3-ylamine (47 mg,

10 137  $\mu$ mol) and (2-morpholin-4-yl-ethyl)-carbamic acid 4-nitro-phenyl ester hydrochloride (55 mg, 164  $\mu$ mol) were dissolved in N,N-dimethylformamide (1 mL) and treated with triethylamine (23  $\mu$ L, 164  $\mu$ mol). The mixture was stirred at room temperature for 67 h, and then

concentrated. The residue was purified by flash column chromatography (3% methanol/dichloromethane containing 0.3% aqueous ammonium hydroxide). After isolation, the product was dissolved in 1N hydrochloric acid and water and lyophilized to provide a fluffy white solid (70 mg, 90%).

1H NMR (300 mHz, CD30D)  $\delta$  7.15 (m, 2H), 6.98 (m, 2H), 4.21 (q, J = 8.1 Hz, 1H), 3.68 (m, 4H), 3.49 (dd, J = 13.6, 8.1 Hz, 1H), 3.35 (m, 1H), 3.25 (t, J = 6.6 Hz, 2H), 2.98 (m, 2H), 2.78 (m, 2H), 2.6-2.4 (11H), 2.07 (m, 1H), 1.9-1.5 (5H), 0.98 (m, 1H), ESI MS: (M+H)+ = 497.1.

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# Example 292

Preparation of  $1-(5-acetyl-4-methyl-thiazol-2-yl)-3-\{(3R,4S)-4-[(S)-3-(4-fluorobenzyl)-piperidine-1-$ 

carbonyl]-1,1-dioxo-tetrahydro-1 $\lambda$ 6-thiophen-3-yl}-urea [(3R,4S)-4-Amino-1,1-dioxo-tetrahydrothiophen-3-yl]-[(S)-3-(4-fluorobenzyl)-piperidin-1-yl]-methanone (50 mg, 141  $\mu$ mol) and [5-acetyl-4-methylthiazol-2-yl]-carbamic acid phenyl ester (43 mg, 155  $\mu$ mol) were dissolved in N,N-dimethylformamide (1 mL) and treated with triethylamine (22  $\mu$ L, 155  $\mu$ mol). The mixture was stirred at room temperature for 94 h, and then concentrated. The

residue was purified by flash column chromatography (4% methanol/dichloromethane containing 0.4% aqueous ammonium hydroxide) to provide a white solid (41 mg, 55%).

1H NMR (300 mHz, CD3OD)  $\delta$  7.16 (m, 2H), 6.95 (m, 2H), 4.74 (m, 1H), 4.32 (m, 1H), 4.1-3.8 (m, 2H), 3.6-3.5 (m, 2H), 3.4-3.2 (m, 2H), 3.2-2.8 (m, 2H), 2.54 (s, 3H), 2.5 (m, 2H), 2.46 + 2.44 (2s, 3H), 1.75 (m, 3H), 1.43 (m, 1H), 1.23 (m, 1H), ESI MS: (M+H)+ = 537.4.

# 10 <u>Example 293</u>

Preparation of  $1-\{(3R,4S)-4-[(S)-3-(4-fluorobenzyl)-piperidine-1-carbonyl]-1,1-dioxo-tetrahydrothiophen-3-yl\}-3-(2-morpholin-4-yl-ethyl)-urea, trifluoroacetate salt$ 

- 15 [(3R, 4S) - 4 - amino - 1, 1 - dioxo - tetrahydrothiophen - 3 - yl] -[(S)-3-(4-fluorobenzyl)-piperidin-1-yl]-methanone (48 mg, 135 µmol) and (2-morpholin-4-yl-ethyl)-carbamic acid 4nitro-phenyl ester hydrochloride (54 mg, 162 µmol) were dissolved in N,N-dimethylformamide (1 mL) and treated 20 with triethylamine (75  $\mu$ L, 540  $\mu$ mol). The mixture was stirred at room temperature for 15 h, and then concentrated. The residue was purified by flash column chromatography (4% methanol/dichloromethane containing 0.4% aqueous ammonium hydroxide), then by reverse-phase preparative HPLC (C18, 10-90% acetonitrile/water 25 containing 0.05% trifluoroacetic acid, 35 min, 35 mL/in). After isolation, the product was dissolved in water and lyophilized to provide a fluffy white solid (35 mg, 41%).
- 1H NMR (300 mHz, CD30D)  $\delta$  7.24 (m, 2H), 7.00 (m, 30 2H), 4.70 (m, 1H), 4.42 + 4.32 (2m, 1H), 4.1-3.4 (12H), 3.3-3.0 (7H), 2.85 + 2.66 (2m, 1H), 2.57 (m, 2H), 1.9-1.6 (m, 3H), 1.5-1.2 (m, 2H), ESI MS: (M+H)+ = 511.4.

## Example 294

Part A. Preparation of (3R, 4S)-4-[(R)-1-phenyl-ethylamino]-pyrrolidine-1,3-dicarboxylic acid 1-tert-butyl ester.

A solution of (3R,4S)-4-[(R)-1-phenyl-ethylamino]pyrrolidine-1,3-dicarboxylic acid 1-tert-butyl ester 3ethyl ester (prepared according to the procedure of X.
Wang, J. F. Espinosa and S. H. Gellman, J. Am. Chem. Soc.
5 2000, 122, 4821; 107 mg, 295 μmol) in tetrahydrofuran (2
mL) was treated with 1.0 M sodium hydroxide solution
(600 μL, 600 μmol) and the heterogenous mixture was
stirred at room temperature. After 18 h, the now
homogenous solution was treated with 1.0 M hydrochloric
10 acid (600 μL, 600 μmol) and concentrated in vacuo. The
residue was dissolved in water and lyophilized to provide
the product, along with sodium chloride, as a white solid
(115mg, quantitative), used without further purification.

1H NMR (300 mHz, CD3OD)  $\delta$  7.48 (m, 5H), 4.44 (m, 15 1H), 3.89 (m, 1H), 3.78 (m, 1H), 3.44-3.14 (3H), 1.67 (d, 3H), 1.4 (bs, 9H); mass spec. (ES+) m/z 335.3.

Part B. Preparation of (3R,4S)-3-[(S)-3-(4-fluorobenzyl)-piperidine-1-carbonyl]-4-[(R)-1-phenyl-ethylamino]-pyrrolidine-1-carboxylic acid tert-butyl ester.

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(S)-3-(4-flourobenzyl)-piperdine, mandelic acid salt (100mg, 290  $\mu$ mol) was dissolved in 1.0 M sodium hydroxide (4mL) and extracted with ethyl acetate (4 x 5mL). The combined organic phases were dried (Na2SO4) and concentrated in vacuo. The free base was used without further purification.

A cloudy solution of (3R,4S)-4-[(R)-1-phenyl-ethylamino]-pyrrolidine-1,3-dicarboxylic acid 1-tert-butyl ester (80mg, 240 μmol) in methylene chloride (5mL) was treated with benzotriazol-1-yloxy-tripyrrolidinophosphonium hexafluorophosphate (151mg, 290 μmol) and triethylamine (77μL, 550 μmol) and stirred for 5 minutes. A solution of the (S)-3-(4-flourobenzyl)-piperdine prepared above in methylene chloride (5 mL) was added and the mixture was stirred at room temperature. After 18 h, the mixture was washed with water and

saturated NaHCO3, dried (Na2SO4) and concentrated. The residue was purified by flash column chromatography (50% ethyl acetate/hexanes) to provide the product as a gum (100 mg, 82%).

Part C. Preparation of (3S,4R)-3-amino-4-[(S)-3-(4-10 fluorobenzyl)-piperidine-1-carbonyl]-pyrrolidine-1-carboxylic acid tert-butyl ester.

 $(3R,4S)-3-[(S)-3-(4-fluorobenzyl)-piperidine-1-\\ carbonyl]-4-[(R)-1-phenyl-ethylamino]-pyrrolidine-1-\\ carboxylic acid tert-butyl ester (99 mg, 195 <math>\mu$ mol),

- palladium hydroxide (20 weight % on carbon, dry basis; 40 mg) and ethanol (7 mL) were combined in a pressure bottle and shaken under hydrogen atmosphere (50-55 psig) for 20 h. The mixture was filtered through Celite, and the solids were rinsed with ethanol. The filtrate was
- concentrated to give the product as a glassy foam (75 mg, 95%), used without further purification.

1H NMR (300mHz, CDC13)  $\delta$  7.26 (m, 2H), 6.96 (m, 2H), 4.57-4.36 (1H), 3.84-2.41 (10H), 1.93-1.70 (6H), 1.44-1.39 (9H); mass spec. (ES+) m/z 406.4.

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Part D. Preparation of (3S,4S)-3-amino-4-[(S)-3-(4-fluorobenzyl)-piperidin-1-ylmethyl]-pyrrolidine-1-carboxylic acid tert-butyl ester.

(3S,4R)-3-Amino-4-[(S)-3-(4-fluorobenzyl)30 piperidine-1-carbonyl]-pyrrolidine-1-carboxylic acid
tert-butyl ester (75 mg, 185 μmol) was treated with
borane-tetrahydrofuran complex in tetrahydrofuran (1.0 M;
7.4 mL, 7.4 mmol) and stirred for 20 h. The mixture was
treated slowly with 20% acetic acid in methanol (10 mL),

and the resulting mixture was stirred at room temperature for 1 h. The solvents were removed, and the residue was dissolved in water, made basic (pH 11) with 50% sodium hydroxide, and extracted with methylene chloride. The

combined organic phases were dried (Na2SO4) and concentrated. The residue was purified by flash column chromatography (5% methanol/dichloromethane) to provide the product (30 mg, 40%).

Part E. Preparation of (3S,4S)-3-[(S)-3-(4-fluorobenzyl)10 piperidin-1-ylmethyl]-4-{3-[3-methyl-5-(1-methyl-1Htetrazol-5-yl)-phenyl]-ureido}-pyrrolidine-1-carboxylic
acid tert-butyl ester, trifluoroacetate salt.

(3S,4S)-3-amino-4-[(S)-3-(4-fluorobenzyl)-piperidin-1-ylmethyl]-pyrrolidine-1-carboxylic acid tert-butyl

- ester (21 mg, 54 μmol) and [3-methyl-5-(1-methyl-1H-tetrazol-5yl)-phenyl]-carbamic acid phenyl ester (20 mg, 65 μmol) were dissolved in acetonitrile (1 mL) and the mixture was stirred at room temperature. After 24 h, the mixture was concentrated and purified by flash
- chromatography (5% methanol/dichloromethane containing 0.5% ammonium hydroxide). After isolation, the product was dissolved in water with a small amount of trifluoroacetic acid and the solution was lyophilized to provide a white solid (10 mg, 31%).

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#### Example 295

Preparation of 1-(5-acetyl-4-methylthiazol-2-yl)-3{(3S,4S)-4-[(S)-3-(4-fluorobenzyl)-piperidin-1-ylmethyl]pyrrolidin-3-yl}-urea, bis-trifluoroacetate salt
Part A. Preparation of (3S,4S)-3-[(S)-3-(4-fluorobenzyl)piperidin-1-ylmethyl]-4-[(R)-1-phenyl-ethylamino]pyrrolidine-1-carboxylic acid tert-butyl ester

(3R, 4S) - 3 - [(S) - 3 - (4 - fluorobenzyl) - piperidine - 1 carbonyl]-4-[(R)-1-phenyl-ethylamino]-pyrrolidine-1carboxylic acid tert-butyl ester (150 mg, 294 µmol) ) was treated with borane-tetrahydrofuran complex in tetrahydrofuran (1.0 M; 11.64 mL, 11.64mmol) and stirred for 20 h. The mixture was treated slowly with 20% acetic acid in methanol (20 mL), and the resulting mixture was stirred at room temperature for 36 h. The solvents were removed, and the residue was dissolved in water, made basic (pH 11) with 50% sodium hydroxide, and extracted 10 with dichloromethane. The combined organic phases were dried (Na2SO4) and concentrated. The residue was purified by flash column chromatography (60% ethyl acetate/hexane) to provide the product (100 mg, 68%). 15

1H NMR (300 mHz, CD30D)  $\delta$  7.31-7.00 (9H), 3.78 (m, 1H), 3.42 (m, 1H), 3.22-1.62 (18H), 1.39 (d, 3H), 1.34 (s, 9H); mass spec. (ES+) m/z 496.5.

Part B. Preparation of (3S,4S)-3-amino-4-[(S)-3-(4-fluorobenzyl)-piperidin-1-ylmethyl]-pyrrolidine-1-carboxylic acid tert-butyl ester

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(3S, 4S)-3-[(S)-3-(4-Fluorobenzyl)-piperidin-1-ylmethyl]-4-[(R)-1-phenyl-ethylamino]-pyrrolidine-1-carboxylic acid tert-butyl ester (100 mg, 0.201 mmol), palladium hydroxide (20 weight % on carbon, dry basis; 40 mg) and methanol (7 mL) were combined in a pressure bottle and shaken under hydrogen atmosphere (50-55 psig) for 20 h. The mixture was filtered through Celite, and the solids were rinsed with ethanol. The filtrate was concentrated to give the product as a glassy foam (75 mg, 95%), used without further purification.

1H NMR (300 mHz, CD30D)  $\delta$  7.20 (m, 2H), 6.98 (m, 2H), 3.18-2.42 (15H), 1.80-1.50 (4H), 1.41 (s, 9H); mass spec. (ES+) m/z 392.4.

Part C. Preparation of 1-(5-acetyl-4-methylthiazol-2-yl)- $3-\{(3S,4S)-4-[(S)-3-(4-fluorobenzyl)-piperidin-1-$ 

ylmethyl]-pyrrolidin-3-yl}-urea, bis-trifluoroacetate
salt

(3S,4S)-3-Amino-4-[(S)-3-(4-fluorobenzyl)-piperidin1-ylmethyl]-pyrrolidine-1-carboxylic acid tert-butyl
5 ester (21 mg, 0.054 mmol) and [5-acetyl-4-methylthiazol2-yl]-carbamic acid phenyl ester (18 mg, 0.065 mmol) were dissolved in DMF (1 mL) and treated with triethylamine (9μL, 0.065 mmol) and the mixture was stirred at room temperature. After 24 h, the mixture was concentrated
10 and purified by flash column chromatography (5% methanol/dichloromethane containing 0.5% ammonium hydroxide). After isolation, the product was stirred in trifluoroacetic acid for 4 h. The mixture was oncentrated and the residue dissolved in water and lyophilized to provide a white solid (10 mg, 31%).

1H NMR (300mHz, CD30D)  $\delta$  7.46-7.22 (4H), 4.19-3.40 (4H), 2.61 (s, 3H), 2.45 (s, 3H), 2.24 (m, 1H), 1.64-1.23 (15H); mass spec. (ES+) m/z 474.5.

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The compounds shown below were made using the procedures described above.

Ex	Core	Y	R	MS
#				m/z
1	a	NBoc	3-Ac-Ph	581
2	a	NH	3-Ac-Ph	481
3	a	NBoc	3-(1-Me-5-	621
			tetrazole)-Ph	
4	a	NH	3-(1-Me-5-	521
L			tetrazole)-Ph	
5	a	NCOtBu	3-(1-Me-5-	605
			tetrazole)-Ph	
6	a	NAc	3-(1-Me-5-	563
<u> </u>			tetrazole)-Ph	i
7	a	NSO₂Me	3-(1-Me-5-	599
<u> </u>			tetrazole)-Ph	}
8	a	NMe	3-(1-Me-5-	535
	L	<del></del>	tetrazole)-Ph	

		<del>_</del>	~ <del>_</del>	1
9	a	NBoc	1-Boc-5-	679
		<del> </del>	indazole	1
10	a	NH	5-indazole	479
11	a	NBoc	5-Ac-4-Me-2-	602
10			thiazole	1
12	a	NH	5-Ac-4-Me-2-	502
1-1-		177	thiazole	+
13	<u>C</u>	NBoc	3-Ac-Ph	581
14	<u>C</u>	NH	3-Ac-Ph	481
15	<u>b</u>	NBoc	3-Ac-Ph	567
16	b b	NH	3-Ac-Ph	467
17	b	NAC NGO NGO	3-Ac-Ph	509
18		NSO,Me	3-Ac-Ph	545
19	b	NMe	3-Ac-Ph	481
20	b	NiBu	3-Ac-Ph	523
21	b	NBoc	3-(1-Me-5-	607
1-2-1	1_	NTIT TO THE PARTY OF THE PARTY	tetrazole)-Ph	
22	b	NH	3-(1-Me-5-	507
123-		NTD	tetrazole)-Ph	
23	b	NBoc	indazole	665
24		ŇH		485
25	b 	<del></del>	5-indazole 5-Ac-4-Me-2-	<del></del>
45	D	NBoc	thiazole	588
26	b	NH	5-Ac-4-Me-2-	488
40	D	NH	thiazole	400
27	d	NBoc	3-Ac-Ph	567
28	<u>d</u>	NH	3-Ac-Ph	467
29		NBoc	3-Ac-Ph	581
30	g	NH	3-Ac-Ph	481
31	g b	NCO,Me	3-Ac-Ph	525
32	<u> </u>	NCOtBu	3-Ac-Ph	551
33		NBoc	3-(1-Me-5-	621
33	C	NBOC	tetrazole)-Ph	021
34	b	NCH,CH,F	3-Ac-Ph	513
35	<u>b</u>	NCH,COMe	3-Ac-Ph	523
36	<del>~</del>	NMe	3-Ac-Ph	481
37	<u>d</u>	NAC	3-Ac-Ph	509
38	<u>b</u>	NAC	3-(1-Me-5-	549
	~		tetrazole)-Ph	"
39	b	NMe	3-(1-Me-5-	521
		1		
40	b	NSO <sub>2</sub> Me	tetrazole)-Ph 3-(1-Me-5-	584
		1.502-10		
41	a	NCH <sub>2</sub> COMe	tetrazole)-Ph 3-(1-Me-5-	577
			tetrazole)-Ph	
42	a	NCH,CH,F	3-(1-Me-5-	567
		122	tetrazole)-Ph	l (
43	a	NSO,CF,	3-(1-Me-5-	653
		2 - 3	tetrazole)-Ph	J ~ -
44	f	0	3-Ac-Ph	468
45	£	0	3-(1-Me-5-	508
		_	tetrazole)-Ph	-
46	f	0	5-Ac-4-Me-2-	489
		_	thiazole	
47	е	0	3-Ac-Ph	482
		<del></del>	<del></del>	لــــــــــــــــــــــــــــــــــــــ

48	е	0	3-(1-Me-5-	522
1-40	<u> </u>		tetrazole)-Ph	
49	е	0	5-Ac-4-Me-2- thiazole	503
50	b	NMe	5-Ac-4-Me-2-	502
"	~	14220	thiazole	1 3 4 2
51	b	NAC	5-Ac-4-Me-2-	530
) JT	۵	NAC		530
<del></del>		<del> </del>	thiazole	<del> </del>
52	b	NCOi-Pr	5-Ac-4-Me-2-	558
L			thiazole	L
53	b	NSO <sub>2</sub> Me	5-Ac-4-Me-2-	566
		_	thiazole	
54	b	NCH2CH2F	5-Ac-4-Me-2-	534
] -	~	11011201121	thiazole	55 -
55	b	NCH2COMe	5-Ac-4-Me-2-	544
33	D D	NCH2COMe	<b>.</b>	344
<u></u>			thiazole	
56	b	0	3-Ac-Ph	468
57	b	0	3-(1-Me-5-	508
1			tetrazole)-Ph	}
58	b	0	5-Ac-4-Me-2-	467
		1	thiazole	
59	a	0	3-Ac-Ph	482
60		0	3-(1-Me-5-	
100	a			522
ļ			tetrazole)-Ph	
61	a	0	5-Ac-4-Me-2-	503
			thiazole	
62	b	NH	4-F-Ph	443
63	b	NBoc	4-F-Ph	543
64	b	NAC	4-F-Ph	485
65	b	NMe	4-F-Ph	457
66	b	+	<del></del>	
		NEt	4-F-Ph	471
67	b	NCH2[1,2,4]oxadiaz ol-3-yl	4-F-Ph	525
68	b	NCH2CONHiPr	4-F-Ph	542
69	b	NCH2C≡CH	4-F-Ph	481
70			<del></del>	
	<u>b</u>	N-piperidin-4-yl	3-Ac-Ph	550
71	b	N-1-Ac-piperidin- 4-yl	3-Ac-Ph	592
72	b	N-1-Me-piperidin-	3-Ac-Ph	564
'4	ט		3-AC-PII	304
<u> </u>		4-y1	<del>                                     </del>	
73	b	NH	3,5-diAc-Ph	509
74	b	NBoc	3,5-diAc-Ph	609
75	b	NAc	3,5-diAc-Ph	551
76	b	NMe	3,5-diAc-Ph	523
77	b	NEt	3,5-diAc-Ph	537
78	b	NCH2[1,2,4]oxadiaz	3,5-diAc-Ph	591
		o1-3-y1		
79	b	NCH2CONHiPr	3,5-diAc-Ph	608
80	b	NCH2C≡CH	3,5-diAc-Ph	547
81	b	NCO2Me	3-(1-Me-5-	565
"	~	INCOZITE	tetrazole)-Ph	303
<del>  0                                   </del>	1-		2 Ma F /1 35 5	
82	b	NH	3-Me-5-(1-Me-5-	521
			tetrazole)-Ph	
83	b	NBoc	3-Me-5-(1-Me-5-	621
			tetrazole)-Ph	
84	b	NAC	3-Me-5-(1-Me-5-	563

г		- <sub>T</sub>	T	
1-05-1	1-		tetrazole)-Ph	F3-
85	b	NMe	3-Me-5-(1-Me-5-	535
		<del></del>	tetrazole)-Ph	
86	b	NEt	3-Me-5-(1-Me-5-	549
			tetrazole)-Ph	
87	b	NCH2[1,2,4]oxadiaz	3-Me-5-(1-Me-5-	603
LL		ol-3-yl	tetrazole)-Ph	
88	b	NCH2CONHiPr	3-Me-5-(1-Me-5-	620
			tetrazole)-Ph	ļ
89	b	NCH2C≡CH	3-Me-5-(1-Me-5-	559
		1401126-611	tetrazole)-Ph	{
90	b	NH	3-Br-5-(1-Me-5-	585
1			tetrazole)-Ph	}
91	b	NBoc	3-Br-5-(1-Me-5-	685
	2	1,200	tetrazole)-Ph	005
92	b	NAC	3-Br-5-(1-Me-5-	627
72	D	IVAC	tetrazole)-Ph	02/
102 +		NT/ o		599
93	b	NMe	3-Br-5-(1-Me-5-	599
			tetrazole)-Ph	
94	b	NEt	3-Br-5-(1-Me-5-	613
L			tetrazole)-Ph	
95	b	NCH2[1,2,4]oxadiaz	3-Br-5-(1-Me-5-	667
		ol-3-yl	tetrazole)-Ph	
96	b	NCH2CONHiPr	3-Br-5-(1-Me-5-	684
			tetrazole)-Ph	
97	b	NCH2C≡CH	3-Br-5-(1-Me-5-	623
		Neiize-eii	tetrazole)-Ph	
98	b	NCH2COCH3	3-(5-Me-1-	563
			tetrazole)-Ph	303
99	b	NCH2COCH3	1-Me-pyrazol-3-	485
	D	Nenzeoens	vl	405
100	b	NCH2COCH3	thiazol-2-yl	488
101	<u>b</u>	NCH2COCH3	4-Me-5-CO2Et-	574
101	D	NCH2COCH3		5/4
100		1777001	thiazol-2-yl	<b>-</b> 4.6
102	b	NCO2Me	5-Ac-4-Me-2-	546
			thiazole	
103	b	NCO2CH2CMe2CH2OH	5-Ac-4-Me-2-	618
			thiazole	
104	b	NCOEt	5-Ac-4-Me-2-	544
			thiazole	
105	b	NCO-cyclopropyl	5-Ac-4-Me-2-	556
			thiazole	
106	b	NCO-cyclopenty1	5-Ac-4-Me-2-	584
			thiazole	
107	b	NCO-4-	5-Ac-4-Me-2-	600
- ' '	~	tetrahydropyran	thiazole	
108	<u>b</u>	NCOCH2OMe	5-Ac-4-Me-2-	560
100	D	NCOCHZOME	thiazole	200
100	b	NGOGITONNA-O	5-Ac-4-Me-2-	E73
109	a	NCOCH2NMe2		573
110		1	thiazole	
110	b	NCONHMe	5-Ac-4-Me-2-	545
		<u> </u>	thiazole	
111	b	NCONMe2	5-Ac-4-Me-2-	559
		<u> </u>	thiazole	
112	b	NCONHET	5-Ac-4-Me-2-	559
İ			thiazole	ļ

113					
114	113	b	NEt	5-Ac-4-Me-2-	516
Thiazole	<b> </b>				
115	114	b	NPr		530
Thiazole   Thiazole			· · · · · · · · · · · · · · · · · · ·		E 2 0
116	115	b	NiPr		530
117	110		37 3 -13		E 43
117	116	a	N-cActopatAt		542
Thiazole	<del>                                     </del>		<del> </del>		650
118	117	d	N-cyclopenty1		226
tetrahydropyran	1 1 1 1	<del></del>	17.4		F72
119	118	a	1		3/2
tetrahydrothiopyra thiazole    120	110	1.	tectanydropyran		500
120	119	a	, 1		300
tetrahydrothiopyra	1		- ,		<u> </u>
tetrahydrothiopyra	120	b	N-4-	5-Ac-4-Me-2-	620
121    b	[ [		tetrahydrothiopyra	thiazole	İ
Thiazole   122   b					
Thiazole	121	b		5-Ac-4-Me-2-	571
Boc	] ]			thiazole	
Boc	122	b	N-4-piperidinyl-	5-Ac-4-Me-2-	671
123			,		
Thiazole   Thiazole	123	b	N-4-piperidinyl-Ac		613
124         b         N-4-piperidiny1-Me         5-Ac-4-Me-2-thiazole         585           125         b         NCH2-cyclopropy1         5-Ac-4-Me-2-thiazole         542           126         b         NCH2-cyclobuty1         5-Ac-4-Me-2-thiazole         556           127         b         NCH2Ph         5-Ac-4-Me-2-thiazole         578           128         b         NCH2-2-furan         5-Ac-4-Me-2-thiazole         572           129         b         NCH2-3-furan         5-Ac-4-Me-2-thiazole         572           130         b         NCH2-3-thiophene         5-Ac-4-Me-2-thiazole         584           131         b         NCH2-3-thiophene         5-Ac-4-Me-2-thiazole         584           132         b         NCH2-1-imidazole         5-Ac-4-Me-2-thiazole         568           133         b         NCH2-4-imidazole         5-Ac-4-Me-2-thiazole         568           134         b         NCH2-2-thiazole         5-Ac-4-Me-2-thiazole         570           135         b         NCH2[1, 2, 4]oxadiaz ol-3-yl         5-Ac-4-Me-2-thiazole         570           136         b         NCH2CH2OH         5-Ac-4-Me-2-thiazole         532           137         b         NCH2CMe2OH		2	i, i papazzanany		1
thiazole  125 b NCH2-cyclopropyl 5-Ac-4-Me-2- thiazole  126 b NCH2-cyclobutyl 5-Ac-4-Me-2- thiazole  127 b NCH2Ph 5-Ac-4-Me-2- 556  128 b NCH2-2-furan 5-Ac-4-Me-2- 572  129 b NCH2-3-furan 5-Ac-4-Me-2- 572  130 b NCH2-2-thiophene 5-Ac-4-Me-2- 572  131 b NCH2-3-thiophene 5-Ac-4-Me-2- 584  131 b NCH2-3-thiophene 5-Ac-4-Me-2- 584  132 b NCH2-3-thiophene 5-Ac-4-Me-2- 584  133 b NCH2-2-imidazole 5-Ac-4-Me-2- 568  134 b NCH2-4-imidazole 5-Ac-4-Me-2- 568  135 b NCH2-2-thiazole 5-Ac-4-Me-2- 585  136 b NCH2[1,2,4]oxadiaz 5-Ac-4-Me-2- 585  137 b NCH2CH2OH 5-Ac-4-Me-2- 532  138 b NCH2CH2OH 5-Ac-4-Me-2- 560  139 b NCH2CH2OMe 5-Ac-4-Me-2- 546	124	h	N-4-piperidinyl-Me		585
125	***	2	i, i piperiding i iie		
thiazole  126 b NCH2-cyclobutyl 5-Ac-4-Me-2- thiazole  127 b NCH2Ph 5-Ac-4-Me-2- 578 thiazole  128 b NCH2-2-furan 5-Ac-4-Me-2- 572 thiazole  129 b NCH2-3-furan 5-Ac-4-Me-2- 572 thiazole  130 b NCH2-2-thiophene 5-Ac-4-Me-2- 584 thiazole  131 b NCH2-3-thiophene 5-Ac-4-Me-2- 584 thiazole  132 b NCH2-3-thiophene 5-Ac-4-Me-2- 584 thiazole  133 b NCH2-2-imidazole 5-Ac-4-Me-2- 568 thiazole  134 b NCH2-4-imidazole 5-Ac-4-Me-2- 568 thiazole  135 b NCH2-2-thiazole 5-Ac-4-Me-2- 585 thiazole  136 b NCH2[1,2,4]oxadiaz 5-Ac-4-Me-2- 570 thiazole  137 b NCH2CH2OH 5-Ac-4-Me-2- 532 thiazole  138 b NCH2CMe2OH 5-Ac-4-Me-2- 560 thiazole  139 b NCH2CH2OMe 5-Ac-4-Me-2- 546	125	<u> </u>	NCH2-cyclopropyl		542
126         b         NCH2-cyclobutyl         5-Ac-4-Me-2- thiazole         556           127         b         NCH2Ph         5-Ac-4-Me-2- thiazole         578           128         b         NCH2-2-furan         5-Ac-4-Me-2- thiazole         572           129         b         NCH2-3-furan         5-Ac-4-Me-2- thiazole         572           130         b         NCH2-2-thiophene         5-Ac-4-Me-2- thiazole         584           131         b         NCH2-3-thiophene         5-Ac-4-Me-2- thiazole         584           132         b         NCH2-2-imidazole         5-Ac-4-Me-2- 568 thiazole         5-Ac-4-Me-2- 568 thiazole           133         b         NCH2-4-imidazole         5-Ac-4-Me-2- 568 thiazole         5-Ac-4-Me-2- 585 thiazole           134         b         NCH2-2-thiazole         5-Ac-4-Me-2- 585 thiazole         5-Ac-4-Me-2- 585 thiazole           135         b         NCH2[1,2,4] oxadiaz ole         5-Ac-4-Me-2- 532 thiazole         5-Ac-4-Me-2- 532 thiazole           136         b         NCH2CH2OH         5-Ac-4-Me-2- 560 thiazole         5-Ac-4-Me-2- 560 thiazole           138         b         NCH2CHOHCF3         5-Ac-4-Me-2- 546           139         b         NCH2CH2OMe         5-Ac-4-Me-2- 546	123	D	Nenz ejereprepji		
thiazole  127 b NCH2Ph	126	b	NCH2-cvclobutvl		556
thiazole  128 b NCH2-2-furan 5-Ac-4-Me-2- 572 thiazole  129 b NCH2-3-furan 5-Ac-4-Me-2- 572 thiazole  130 b NCH2-2-thiophene 5-Ac-4-Me-2- 584 thiazole  131 b NCH2-3-thiophene 5-Ac-4-Me-2- 584 thiazole  132 b NCH2-3-thiophene 5-Ac-4-Me-2- 584 thiazole  133 b NCH2-2-imidazole 5-Ac-4-Me-2- 568 thiazole  134 b NCH2-4-imidazole 5-Ac-4-Me-2- 568 thiazole  135 b NCH2-2-thiazole 5-Ac-4-Me-2- 585 thiazole  136 b NCH2[1,2,4]oxadiaz 5-Ac-4-Me-2- 570 thiazole  137 b NCH2CH2OH 5-Ac-4-Me-2- 532 thiazole  138 b NCH2CHOHCF3 5-Ac-4-Me-2- 560 thiazole  139 b NCH2CH2OMe 5-Ac-4-Me-2- 546	120	2	lienz egezenarj-		
Thiazole   128    D	127	b	NCH2Ph	5-Ac-4-Me-2-	578
thiazole  129 b NCH2-3-furan 5-Ac-4-Me-2- 572 thiazole  130 b NCH2-2-thiophene 5-Ac-4-Me-2- 584 thiazole  131 b NCH2-3-thiophene 5-Ac-4-Me-2- 584 thiazole  132 b NCH2-2-imidazole 5-Ac-4-Me-2- 568 thiazole  133 b NCH2-4-imidazole 5-Ac-4-Me-2- 568 thiazole  134 b NCH2-2-thiazole 5-Ac-4-Me-2- 585 thiazole  135 b NCH2[1,2,4]oxadiaz 5-Ac-4-Me-2- 570 thiazole  136 b NCH2[1,2,4]oxadiaz 5-Ac-4-Me-2- 570 thiazole  137 b NCH2CH2OH 5-Ac-4-Me-2- 532 thiazole  138 b NCH2CHOHCF3 5-Ac-4-Me-2- 600 thiazole  139 b NCH2CH2OMe 5-Ac-4-Me-2- 546			1	thiazole	1
thiazole  129 b NCH2-3-furan 5-Ac-4-Me-2- 572 thiazole  130 b NCH2-2-thiophene 5-Ac-4-Me-2- 584 thiazole  131 b NCH2-3-thiophene 5-Ac-4-Me-2- 584 thiazole  132 b NCH2-2-imidazole 5-Ac-4-Me-2- 568 thiazole  133 b NCH2-4-imidazole 5-Ac-4-Me-2- 568 thiazole  134 b NCH2-2-thiazole 5-Ac-4-Me-2- 585 thiazole  135 b NCH2[1,2,4]oxadiaz 5-Ac-4-Me-2- 585 thiazole  136 b NCH2[1,2,4]oxadiaz 5-Ac-4-Me-2- 570 thiazole  137 b NCH2CH2OH 5-Ac-4-Me-2- 532 thiazole  138 b NCH2CH2OH 5-Ac-4-Me-2- 600 thiazole  139 b NCH2CH2OMe 5-Ac-4-Me-2- 546	128	b	NCH2-2-furan	5-Ac-4-Me-2-	572
thiazole  130 b NCH2-2-thiophene 5-Ac-4-Me-2- 584  131 b NCH2-3-thiophene 5-Ac-4-Me-2- 584  132 b NCH2-2-imidazole 5-Ac-4-Me-2- 568  133 b NCH2-4-imidazole 5-Ac-4-Me-2- 568  134 b NCH2-2-thiazole 5-Ac-4-Me-2- 585  135 b NCH2[1,2,4]oxadiaz 5-Ac-4-Me-2- 570  01-3-yl thiazole  136 b NCH2CH2OH 5-Ac-4-Me-2- 532  thiazole  137 b NCH2CMe2OH 5-Ac-4-Me-2- 560  138 b NCH2CHOHCF3 5-Ac-4-Me-2- 600  139 b NCH2CH2OMe 5-Ac-4-Me-2- 546			(	thiazole	1
thiazole  130 b NCH2-2-thiophene 5-Ac-4-Me-2- 584  131 b NCH2-3-thiophene 5-Ac-4-Me-2- 584  132 b NCH2-2-imidazole 5-Ac-4-Me-2- 568  133 b NCH2-4-imidazole 5-Ac-4-Me-2- 568  134 b NCH2-2-thiazole 5-Ac-4-Me-2- 585  135 b NCH2[1,2,4]oxadiaz 5-Ac-4-Me-2- 570  ol-3-yl thiazole  136 b NCH2CH2OH 5-Ac-4-Me-2- 532  thiazole  137 b NCH2CMe2OH 5-Ac-4-Me-2- 560  thiazole  138 b NCH2CHOHCF3 5-Ac-4-Me-2- 600  thiazole  139 b NCH2CH2OMe 5-Ac-4-Me-2- 546	129	b	NCH2-3-furan	5-Ac-4-Me-2-	572
thiazole  131 b NCH2-3-thiophene 5-Ac-4-Me-2- 584  132 b NCH2-2-imidazole 5-Ac-4-Me-2- 568  133 b NCH2-4-imidazole 5-Ac-4-Me-2- 568  134 b NCH2-2-thiazole 5-Ac-4-Me-2- 585  135 b NCH2[1,2,4]oxadiaz 5-Ac-4-Me-2- 570  ol-3-yl thiazole  136 b NCH2CH2OH 5-Ac-4-Me-2- 532  thiazole  137 b NCH2CMe2OH 5-Ac-4-Me-2- 560  138 b NCH2CHOHCF3 5-Ac-4-Me-2- 600  139 b NCH2CH2OMe 5-Ac-4-Me-2- 546				thiazole	
thiazole  131 b NCH2-3-thiophene 5-Ac-4-Me-2- 584 thiazole  132 b NCH2-2-imidazole 5-Ac-4-Me-2- 568 thiazole  133 b NCH2-4-imidazole 5-Ac-4-Me-2- 568 thiazole  134 b NCH2-2-thiazole 5-Ac-4-Me-2- 585 thiazole  135 b NCH2[1,2,4]oxadiaz 5-Ac-4-Me-2- 570 ol-3-yl thiazole  136 b NCH2CH2OH 5-Ac-4-Me-2- 532 thiazole  137 b NCH2CMe2OH 5-Ac-4-Me-2- 560 thiazole  138 b NCH2CHOHCF3 5-Ac-4-Me-2- 600 thiazole  139 b NCH2CH2OMe 5-Ac-4-Me-2- 546	130	b	NCH2-2-thiophene	5-Ac-4-Me-2-	584
thiazole  132 b NCH2-2-imidazole 5-Ac-4-Me-2- 568 thiazole  133 b NCH2-4-imidazole 5-Ac-4-Me-2- 568 thiazole  134 b NCH2-2-thiazole 5-Ac-4-Me-2- 585 thiazole  135 b NCH2[1,2,4]oxadiaz 5-Ac-4-Me-2- 570 ol-3-yl thiazole  136 b NCH2CH2OH 5-Ac-4-Me-2- 532 thiazole  137 b NCH2CMe2OH 5-Ac-4-Me-2- 560 thiazole  138 b NCH2CHOHCF3 5-Ac-4-Me-2- 600 thiazole  139 b NCH2CH2OMe 5-Ac-4-Me-2- 546	1		-	thiazole	
thiazole  132 b NCH2-2-imidazole 5-Ac-4-Me-2- 568  133 b NCH2-4-imidazole 5-Ac-4-Me-2- 568  134 b NCH2-2-thiazole 5-Ac-4-Me-2- 585  135 b NCH2[1,2,4]oxadiaz 5-Ac-4-Me-2- 570	131	b	NCH2-3-thiophene	5-Ac-4-Me-2-	584
thiazole  133 b NCH2-4-imidazole 5-Ac-4-Me-2- 568  134 b NCH2-2-thiazole 5-Ac-4-Me-2- 585  135 b NCH2[1,2,4]oxadiaz 5-Ac-4-Me-2- 570  136 b NCH2CH2OH 5-Ac-4-Me-2- 532  137 b NCH2CMe2OH 5-Ac-4-Me-2- 560  138 b NCH2CHOHCF3 5-Ac-4-Me-2- 600  139 b NCH2CH2OMe 5-Ac-4-Me-2- 546	[ [		-	thiazole	
133     b     NCH2-4-imidazole     5-Ac-4-Me-2- thiazole     568       134     b     NCH2-2-thiazole     5-Ac-4-Me-2- thiazole     585       135     b     NCH2[1,2,4] oxadiaz ol-3-yl thiazole     5-Ac-4-Me-2- thiazole     570       136     b     NCH2CH2OH     5-Ac-4-Me-2- thiazole     532       137     b     NCH2CMe2OH     5-Ac-4-Me-2- thiazole     560       138     b     NCH2CHOHCF3     5-Ac-4-Me-2- thiazole     600       139     b     NCH2CH2OMe     5-Ac-4-Me-2- 546	132	b	NCH2-2-imidazole	5-Ac-4-Me-2-	568
thiazole  134 b NCH2-2-thiazole 5-Ac-4-Me-2- 585 thiazole  135 b NCH2[1,2,4]oxadiaz 5-Ac-4-Me-2- 570 col-3-yl thiazole  136 b NCH2CH2OH 5-Ac-4-Me-2- 532 thiazole  137 b NCH2CMe2OH 5-Ac-4-Me-2- 560 thiazole  138 b NCH2CHOHCF3 5-Ac-4-Me-2- 600 thiazole  139 b NCH2CH2OMe 5-Ac-4-Me-2- 546	l			thiazole	1
thiazole  134 b NCH2-2-thiazole 5-Ac-4-Me-2- 585 thiazole  135 b NCH2[1,2,4]oxadiaz 5-Ac-4-Me-2- 570 cl-3-yl thiazole  136 b NCH2CH2OH 5-Ac-4-Me-2- 532 thiazole  137 b NCH2CMe2OH 5-Ac-4-Me-2- 560 thiazole  138 b NCH2CHOHCF3 5-Ac-4-Me-2- 600 thiazole  139 b NCH2CH2OMe 5-Ac-4-Me-2- 546	133	b	NCH2-4-imidazole	5-Ac-4-Me-2-	568
thiazole  135 b NCH2[1,2,4]oxadiaz 5-Ac-4-Me-2- 570 thiazole  136 b NCH2CH2OH 5-Ac-4-Me-2- 532 thiazole  137 b NCH2CMe2OH 5-Ac-4-Me-2- 560 thiazole  138 b NCH2CHOHCF3 5-Ac-4-Me-2- 600 thiazole  139 b NCH2CH2OMe 5-Ac-4-Me-2- 546			ĺ	thiazole	
135 b NCH2[1,2,4]oxadiaz 5-Ac-4-Me-2- 570 thiazole 136 b NCH2CH2OH 5-Ac-4-Me-2- 532 thiazole 137 b NCH2CMe2OH 5-Ac-4-Me-2- 560 thiazole 138 b NCH2CHOHCF3 5-Ac-4-Me-2- 600 thiazole 139 b NCH2CH2OMe 5-Ac-4-Me-2- 546	134	b	NCH2-2-thiazole	5-Ac-4-Me-2-	585
Ol-3-yl	1		1	thiazole	
o1-3-yl         thiazole           136         b         NCH2CH2OH         5-Ac-4-Me-2- thiazole         532 thiazole           137         b         NCH2CMe2OH         5-Ac-4-Me-2- thiazole         560 thiazole           138         b         NCH2CHOHCF3         5-Ac-4-Me-2- thiazole         600 thiazole           139         b         NCH2CH2OMe         5-Ac-4-Me-2- 546	135	b	NCH2[1,2,4]oxadiaz	5-Ac-4-Me-2-	570
136 b NCH2CH2OH 5-Ac-4-Me-2- 532 thiazole  137 b NCH2CMe2OH 5-Ac-4-Me-2- 560 thiazole  138 b NCH2CHOHCF3 5-Ac-4-Me-2- 600 thiazole  139 b NCH2CH2OMe 5-Ac-4-Me-2- 546	1		ol-3-yl	thiazole	
thiazole  137 b NCH2CMe2OH 5-Ac-4-Me-2- 560 thiazole  138 b NCH2CHOHCF3 5-Ac-4-Me-2- 600 thiazole  139 b NCH2CH2OMe 5-Ac-4-Me-2- 546	136	b		5-Ac-4-Me-2-	532
thiazole  138 b NCH2CHOHCF3 5-Ac-4-Me-2- 600 thiazole  139 b NCH2CH2OMe 5-Ac-4-Me-2- 546	] [				
thiazole  138 b NCH2CHOHCF3 5-Ac-4-Me-2- 600 thiazole  139 b NCH2CH2OMe 5-Ac-4-Me-2- 546	137	b	NCH2CMe2OH	5-Ac-4-Me-2-	560
thiazole  139 b NCH2CH2OMe 5-Ac-4-Me-2- 546				thiazole	
thiazole 139 b NCH2CH2OMe 5-Ac-4-Me-2- 546	138	b	NCH2CHOHCF3	5-Ac-4-Me-2-	600
200				thiazole	
	139	b	NCH2CH2OMe	5-Ac-4-Me-2-	546
			1	thiazole	] ]

140	b	NCH2CH2OEt	5-Ac-4-Me-2-	560
1			thiazole	<b>-</b>
141	b	NCH2CH2SEt	5-Ac-4-Me-2- thiazole	576
142	b	NCH2CH2SO2Et	5-Ac-4-Me-2-	608
	-	11011201120220	thiazole	
143	b	NCH2CH2OAc	5-Ac-4-Me-2-	574
143	Б	NCH2CH2OAC		5/4
		<u> </u>	thiazole	
144	b	NCH2CN	5-Ac-4-Me-2-	527
			thiazole	
145	b	NCH2CH2NMe2	5-Ac-4-Me-2-	559
l i			thiazole	1
146	b	NCH2CH2NEt2	5-Ac-4-Me-2-	587
1 0	2	NCH2 CH2NBC2	thiazole	1 307
1 4 7		1 1 1		<del> </del> -
147	b	NCH2CH2pyrrolidine	5-Ac-4-Me-2-	585
		<u> </u>	thiazole	
148	b	NCH2CH2morpholine	5-Ac-4-Me-2-	601
			thiazole	ł
149	b	NCH2CH2pyrrole	5-Ac-4-Me-2-	581
	~	Nonzempy11010	thiazole	1 301
150	b	NCH2CH2COMe	5-Ac-4-Me-2-	558
120	a	NCH2CH2COMe		228
L		<u> </u>	thiazole	<u> </u>
151	b	NCH2CHMeCOMe	5-Ac-4-Me-2-	572
			thiazole	
152	b	NCH2CH2CH2OH	5-Ac-4-Me-2-	546
			thiazole	
153	b	(R)-NCH2CHMeCH2OH	5-Ac-4-Me-2-	560
133	D	(K) -NCH2CHMeCH2OH		300
1 = 1		1 (2)	thiazole	
154	b	(S)-NCH2CHMeCH2OH	5-Ac-4-Me-2-	560
		<u> </u>	thiazole	
155	b	NCH2COtBu	5-Ac-4-Me-2-	586
1			thiazole	i '
156	b	NCH2CONHMe	5-Ac-4-Me-2-	559
			thiazole	555
157	b	NCH2CONHiPr	5-Ac-4-Me-2-	587
1 - 3 / 1	D	NCHZCONHIFT		1 307
1-01		170710 GO1771 D	thiazole	601
158	b	NCH2CONHtBu	5-Ac-4-Me-2-	601
			thiazole	
159	b	NCH2CONMe2	5-Ac-4-Me-2-	573
]			thiazole	l
160	b	N-2-	5-Ac-4-Me-2-	570
1		oxocyclopentane	thiazole	
161	b	N-allyl	5-Ac-4-Me-2-	528
1 101	D	N-GIIYI		320
1.60		<del> </del>	thiazole	506
162	b	N-propargyl	5-Ac-4-Me-2-	526
			thiazole	
163	d	NH	4-F-Ph	443
164	d	NAc	4-F-Ph	485
165	d	NCOCH2OMe	4-F-Ph	515
166	<u>d</u>	NCH2cyclopropy1	4-F-Ph	497
	<u>d</u>			
167		NCH2CH2OH	4-F-Ph	487
168	d	NCOCH2OMe	3-Ac-Ph	539
169	d	NCOCH2NMe2	3-Ac-Ph	552
170	d	NCONHET	3-Ac-Ph	538
171	đ	NCH2CH2OH	3-Ac-Ph	511
172	đ	NCO2tBu	3-(1-Me-5-	607
<u> </u>		1 NCOZ CDU	2-(T-ME-2-	

r	<u> </u>	T	+ 0+ m 0 = 1 = 1	
177		272 ~	tetrazole)-Ph	549
173	đ	NAC	3-(1-Me-5-	349
174		NGOFD	tetrazole)-Ph	E 0.1
174	đ	NCOtBu	3-(1-Me-5-	591
175		NDC -	tetrazole)-Ph 3-(1-Me-5-	F20
175	d	NMe	•	520
100			tetrazole)-Ph	501
176	d	NH	3-Me-5-(1-Me-5-	521
100	<del></del>	1101100110011	tetrazole)-Ph	5.55
177	d	NCH2CH2OH	3-Me-5-(1-Me-5-	565
170			tetrazole)-Ph	504
178	d	NH	3-Br-5-(1-Me-5-	584
1.50		1.510.510.611	tetrazole)-Ph	
179	d	NCH2CH2OH	3-Br-5-(1-Me-5-	629
1			tetrazole)-Ph	
180	đ	NAC	3-(5-Me-1-	549
			tetrazole)-Ph	
181	đ	NAC	1-Me-pyrazol-3-	471
			yl	
182	d	NAC	thiazol-2-yl	474
183	d	NAC	4-Me-5-CO2Et-	560
			thiazol-2-yl	
184	d	NH	5-Ac-4-Me-2-	488
			thiazole	
185	đ	NCO2Me	5-Ac-4-Me-2-	546
			thiazole	<u></u>
186	d	NCO2tBu	5-Ac-4-Me-2-	588
			thiazole	
187	đ	NAC	5-Ac-4-Me-2-	530
			thiazole	
188	đ	NCOEt	5-Ac-4-Me-2-	544
L			thiazole	
189	d	NCOiPr	5-Ac-4-Me-2-	558
			thiazole	
190	d d	NCOtBu	5-Ac-4-Me-2-	572
} }			thiazole	
191	đ	NCO-cyclopropy1	5-Ac-4-Me-2-	556
<u> </u>			thiazole	
192	d	NCO-cyclobutyl	5-Ac-4-Me-2-	570
			thiazole	
193	d	NCO-cyclopenty1	5-Ac-4-Me-2-	584
			thiazole	
194	d	NCO-cyclohexyl	5-Ac-4-Me-2-	598
			thiazole	
195	d	NCO-4-	5-Ac-4-Me-2-	600
		tetrahydropyran	thiazole	. =
196	đ	NCOCH2OMe	5-Ac-4-Me-2-	560
			thiazole	
197	đ	NCOCH2NMe2	5-Ac-4-Me-2-	573
	~		thiazole	
198	đ	NCONHMe	5-Ac-4-Me-2-	545
	-	1100111110	thiazole	
199	đ	NCONHET	5-Ac-4-Me-2-	559
	<u>~</u>	11001111111	thiazole	
200	đ	NCONHPr	5-Ac-4-Me-2-	573
[ 200]	٠	INCOMMIE I	thiazole	3,3
<b>L</b>			1	

		~ <del></del>		T = 0.3
201	đ	NCONHiPr	5-Ac-4-Me-2- thiazole	573
202	d	NCONH-allyl	5-Ac-4-Me-2-	571
202	a	NCONH-ally1	thiazole	) 3/1
203	đ	NCONH-(5-Ac-4-Me-	5-Ac-4-Me-2-	670
[ 203 ]	u	thiazol-2-yl)	thiazole	0,0
204	đ	NMe	5-Ac-4-Me-2-	502
	•	1.1.20	thiazole	""
205	d	N-4-piperidine	5-Ac-4-Me-2-	571
			thiazole	
206	đ	N-4-piperidinyl-Ac	5-Ac-4-Me-2-	613
			thiazole	1
207	đ	N-4-piperidinyl-Me	5-Ac-4-Me-2-	585
<u> </u>			thiazole	
208	đ	NCH2-cyclopropyl	5-Ac-4-Me-2-	542
			thiazole	
209	d	NCH2-2-	5-Ac-4-Me-2-	586
		tetrahydropyran	thiazole	<u> </u>
210	đ	NCH2-2-furan	5-Ac-4-Me-2-	568
			thiazole	<u> </u>
211	đ	NCH2-3-furan	5-Ac-4-Me-2-	568
			thiazole	
212	đ	NCH2[1,2,4]oxadiaz	5-Ac-4-Me-2-	570
		o1-3-y1	thiazole	<del> </del>
213	d	NCH2CH2F	5-Ac-4-Me-2-	534
214	d	NCH2CH2OH	thiazole 5-Ac-4-Me-2-	532
214	a	NCH2CH2OH	thiazole	332
215		NCH2CH2SO2Et	5-Ac-4-Me-2-	608
213	u	NCIIZCIIZBOZEC	thiazole	000
216	<u> </u>	NCH2CN	5-Ac-4-Me-2-	527
	<b>u</b>	i i i i i i i i i i i i i i i i i i i	thiazole	32,
217	đ	NCH2CH2CH2OH	5-Ac-4-Me-2-	546
			thiazole	
218	đ	(R)-NCH2CHMeCH2OH	5-Ac-4-Me-2-	560
			thiazole	
219	đ	(S)-NCH2CHMeCH2OH	5-Ac-4-Me-2-	560
			thiazole	
220	đ	NCH2COMe	5-Ac-4-Me-2-	544
			thiazole	
221	đ	NCH2CONMe2	5-Ac-4-Me-2-	573
000		NGO : P	thiazole 3-(5-Me-1-	F 0 1
222	a	NCOiPr		591
222		NCOPh	tetrazole)-Ph 3-(5-Me-1-	625
223	а	NCOPII	tetrazole)-Ph	025
224	a	NSO2iPr	3-(5-Me-1-	627
224	a	NSOZIII	tetrazole)-Ph	] (2,
225	<del>d</del>	NH	CH2CH2-	462
	•		morpholin-1-yl	
226	đ	NCO2Me	CH2CH2-	520
	~		morpholin-1-yl	
227	đ	NAC	CH2CH2-	504
			morpholin-1-yl	j
228	đ	NCOEt	CH2CH2-	518
		<u> </u>	morpholin-1-yl	L

Moco-cyclobutyl			T	T	T = 4 =	
CH2CH2-   S44	229	đ	NCOtBu	CH2CH2-	546	
Morpholin-1-yl	1000	<del></del>	700 - 11 - 1		F 4 4	
CH2CH2-	230	a	NCO-cyclobuty1		544	
tetrahydropyran   morpholin-1-yl	1000		7700 4		F	
CH2CH2-	231	α		•	5/4	
Moconmet	1-2-1					
CH2CH2-	232	d	NCOCH2OMe		534	
MCONHET					ļ	
234   d	[233]	d	NCONMe2		533	
Morpholin-1-yl	1 2 2 1				<del> </del>	
235   d	234	α	NCONHET		533	
Morpholin-1-yl				morpholin-1-yl		
236	235	d	NSO2Me		540	
Description	1000			morpholin-1-yl	456	
CH2CH2-	236	a	NMe		476	
Second Part				morpholin-1-yl		
CH2CH2-	[237]	d	NEt		490	
Morpholin-1-yl		<del>_</del>			\ <u></u>	
CH2CH2-	238	đ	NiPr		504	
MCH2COME	<u> </u>			morpholin-1-yl	<u> </u>	
CH2CH2-	239	đ	NCH2cPr		516	
Morpholin-1-yl	<u></u>	<u>-</u>		morpholin-1-yl		
241         d         O         3-(5-Me-1- tetrazole) - Ph         508           242         d         O         3-Me-5-(1-Me-5- 522 tetrazole) - Ph         522 tetrazole) - Ph         522 tetrazole) - Ph         522 tetrazole) - Ph         489 thiazole           243         d         O         5-Ac-4-Me-2- 489 thiazole         489 thiazole           244         b         NCO2Me         4-F-Ph         501 thiazole           245         b         COCH2NMe2         4-F-Ph         528 thiazole           246         b         NSO2Me         4-F-Ph         521 thiazole           246         b         NSO2Me         4-F-Ph         521 thiazole           247         b         NCH2-thiazol-2-yl         4-F-Ph         540 thiazole           248         b         NCH2CH2OMe         4-F-Ph         540 thiazole           248         b         NCH2CH2OMe         4-F-Ph         550 thiazole           249         b         NCH2CH2OMe         4-F-Ph         501 thiazole           250         b         NCH2CH2CH2OMe         3,5-diAc-Ph         556 thiazole           251         b         NCH2CH2CH2OMe         3,5-diAc-Ph         587 thiazole           254         b         <	240	d	NCH2COMe		518	
Tetrazole   -Ph	L				<u> </u>	
242         d         0         3-Me-5-(1-Me-5- tetrazole)-Ph         522 tetrazole)-Ph           243         d         0         5-Ac-4-Me-2- thazole         489 thiazole           244         b         NCO2Me         4-F-Ph         501 thiazole           245         b         COCH2NMe2         4-F-Ph         528 thiazole           246         b         NSO2Me         4-F-Ph         521 thiazole           247         b         NCH2-thiazol-2-yl         4-F-Ph         540 thiazole           248         b         NCH2CH2OH         4-F-Ph         540 thiazole           249         b         NCH2CH2OMe         4-F-Ph         501 thiazole           250         b         NCH2CH2OMe         4-F-Ph         501 thiazole           251         b         NCH2CH2CH2OH         4-F-Ph         501 thiazole           251         b         NCH2CH2CH2OH         4-F-Ph         501 thiazole           251         b         NCO2Me         3,5-diAc-Ph         567 thiazole           253         b         COCH2NMe2         3,5-diAc-Ph         567 thiazole           254         b         NSO2Me         3,5-diAc-Ph         587 thiazole           255         <	241	đ	0	1	508	
Company   Comp					<u> </u>	
243         d         O         5-Ac-4-Me-2- thiazole         489 thiazole           244         b         NCO2Me         4-F-Ph         501           245         b         COCH2NMe2         4-F-Ph         528           246         b         NSO2Me         4-F-Ph         521           247         b         NCH2-thiazol-2-yl         4-F-Ph         540           248         b         NCH2CH2OH         4-F-Ph         487           249         b         NCH2CH2OMe         4-F-Ph         501           250         b         NCH2CH2-morpholin- 4-F-Ph         556           251         b         NCH2CH2CH2OH         4-F-Ph         501           252         b         NCO2Me         3,5-diAc-Ph         567           253         b         COCH2NMe2         3,5-diAc-Ph         567           253         b         NCO2Me         3,5-diAc-Ph         587           254         b         NSO2Me         3,5-diAc-Ph         587           255         b         N-4-THTP-dioxide         3,5-diAc-Ph         641           256         b         NCH2CH2OH         3,5-diAc-Ph         553           258	242	đ	0	· ·	522	
244         b         NCO2Me         4-F-Ph         501           245         b         COCH2NMe2         4-F-Ph         528           246         b         NSO2Me         4-F-Ph         521           247         b         NCH2-thiazo1-2-yl         4-F-Ph         540           248         b         NCH2CH2OH         4-F-Ph         540           249         b         NCH2CH2OME         4-F-Ph         501           250         b         NCH2CH2-morpholin-         4-F-Ph         501           251         b         NCH2CH2-morpholin-         4-F-Ph         501           251         b         NCH2CH2CH2OH         4-F-Ph         501           252         b         NCO2Me         3,5-diAc-Ph         567           253         b         COCH2NMe2         3,5-diAc-Ph         594           254         b         NSO2Me         3,5-diAc-Ph         587           255         b         N-4-THTP-dioxide         3,5-diAc-Ph         641           256         b         NCH2-thiazol-2-yl         3,5-diAc-Ph         553           258         b         NCH2CH2OME         3,5-diAc-Ph         557					<u> </u>	
244         b         NCO2Me         4-F-Ph         501           245         b         COCH2NMe2         4-F-Ph         528           246         b         NSO2Me         4-F-Ph         521           247         b         NCH2-thiazo1-2-yl         4-F-Ph         540           248         b         NCH2CH2OH         4-F-Ph         540           249         b         NCH2CH2OMe         4-F-Ph         501           250         b         NCH2CH2-morpholin-         4-F-Ph         501           251         b         NCH2CH2CH2OH         4-F-Ph         501           251         b         NCO2Me         3,5-diAc-Ph         567           253         b         COCH2NMe2         3,5-diAc-Ph         594           254         b         NSO2Me         3,5-diAc-Ph         587           255         b         N-4-THTP-dioxide         3,5-diAc-Ph         641           256         b         NCH2-thiazol-2-yl         3,5-diAc-Ph         553           257         b         NCH2CH2OH         3,5-diAc-Ph         553           258         b         NCH2CH2-morpholin-         3,5-diAc-Ph         557	243	d	0		489	
245         b         COCH2NMe2         4-F-Ph         528           246         b         NSO2Me         4-F-Ph         521           247         b         NCH2-thiazo1-2-yl         4-F-Ph         540           248         b         NCH2CH2OH         4-F-Ph         540           249         b         NCH2CH2OHE         4-F-Ph         501           250         b         NCH2CH2-morpholin-         4-F-Ph         501           250         b         NCH2CH2CH2OH         4-F-Ph         501           251         b         NCO2Me         3,5-diAc-Ph         567           252         b         NCO2Me         3,5-diAc-Ph         567           253         b         COCH2NMe2         3,5-diAc-Ph         587           254         b         NSO2Me         3,5-diAc-Ph         587           255         b         N-4-THTP-dioxide         3,5-diAc-Ph         641           256         b         NCH2-thiazol-2-yl         3,5-diAc-Ph         553           257         b         NCH2CH2OH         3,5-diAc-Ph         557           258         b         NCH2CH2-morpholin-         3,5-diAc-Ph         557 <t< td=""><td><u> </u></td><td></td><td></td><td></td><td></td></t<>	<u> </u>					
246         b         NSO2Me         4-F-Ph         521           247         b         NCH2-thiazo1-2-yl         4-F-Ph         540           248         b         NCH2CH2OH         4-F-Ph         487           249         b         NCH2CH2OME         4-F-Ph         501           250         b         NCH2CH2-morpholin-         4-F-Ph         556           1-yl         4-F-Ph         556           251         b         NCO2Me         3,5-diAc-Ph         567           252         b         NCO2Me         3,5-diAc-Ph         567           253         b         COCH2NMe2         3,5-diAc-Ph         587           254         b         NSO2Me         3,5-diAc-Ph         587           255         b         NCH2-THTP-dioxide         3,5-diAc-Ph         641           256         b         NCH2-thiazo1-2-yl         3,5-diAc-Ph         606           257         b         NCH2CH2OH         3,5-diAc-Ph         553           258         b         NCH2CH2OMe         3,5-diAc-Ph         557           259         b         NCH2CH2-morpholin-         3,5-diAc-Ph         567           260         b <td></td> <td></td> <td></td> <td></td> <td></td>						
247         b         NCH2-thiazo1-2-yl         4-F-Ph         540           248         b         NCH2CH2OH         4-F-Ph         487           249         b         NCH2CH2OMe         4-F-Ph         501           250         b         NCH2CH2-morpholin-         4-F-Ph         556           1-yl         4-F-Ph         556           251         b         NCH2CH2CH2OH         4-F-Ph         501           252         b         NCO2Me         3,5-diAc-Ph         567           253         b         COCH2NMe2         3,5-diAc-Ph         594           254         b         NSO2Me         3,5-diAc-Ph         587           255         b         N-4-THTP-dioxide         3,5-diAc-Ph         641           256         b         NCH2-thiazo1-2-yl         3,5-diAc-Ph         606           257         b         NCH2CH2OMe         3,5-diAc-Ph         553           258         b         NCH2CH2OMe         3,5-diAc-Ph         557           259         b         NCH2CH2-morpholin-         3,5-diAc-Ph         567           260         b         NCH2CH2CH2OH         3,5-diAc-Ph         567           261				<del></del>		
248         b         NCH2CH2OH         4-F-Ph         487           249         b         NCH2CH2OMe         4-F-Ph         501           250         b         NCH2CH2-morpholin-         4-F-Ph         556           1-y1         4-F-Ph         556           251         b         NCH2CH2CH2OH         4-F-Ph         501           252         b         NCO2Me         3,5-diAc-Ph         567           253         b         COCH2NMe2         3,5-diAc-Ph         594           254         b         NSO2Me         3,5-diAc-Ph         587           255         b         N-4-THTP-dioxide         3,5-diAc-Ph         641           256         b         NCH2-thiazol-2-yl         3,5-diAc-Ph         606           257         b         NCH2CH2OH         3,5-diAc-Ph         553           258         b         NCH2CH2OMe         3,5-diAc-Ph         557           259         b         NCH2CH2-morpholin-         3,5-diAc-Ph         522           260         b         NCH2CH2CH2OH         3,5-diAc-Ph         567           261         b         NCO2Me         3-Me-5-(1-Me-5-5-579         579           262						
249         b         NCH2CH2OMe         4-F-Ph         501           250         b         NCH2CH2-morpholin-         4-F-Ph         556           1-y1         4-F-Ph         556           251         b         NCH2CH2CH2OH         4-F-Ph         501           252         b         NCO2Me         3,5-diAc-Ph         567           253         b         COCH2NMe2         3,5-diAc-Ph         594           254         b         NSO2Me         3,5-diAc-Ph         587           255         b         N-4-THTP-dioxide         3,5-diAc-Ph         641           256         b         NCH2-thiazol-2-yl         3,5-diAc-Ph         606           257         b         NCH2CH2OH         3,5-diAc-Ph         553           258         b         NCH2CH2OMe         3,5-diAc-Ph         557           259         b         NCH2CH2-morpholin-         3,5-diAc-Ph         622           260         b         NCH2CH2CH2OH         3,5-diAc-Ph         567           261         b         NCO2Me         3-Me-5-(1-Me-5-         579           tetrazole)-Ph         tetrazole)-Ph         567           263         b         NSO2Me				<del></del>		
Description				<del></del>		
1-y1						
251         b         NCH2CH2CH2OH         4-F-Ph         501           252         b         NCO2Me         3,5-diAc-Ph         567           253         b         COCH2NMe2         3,5-diAc-Ph         594           254         b         NSO2Me         3,5-diAc-Ph         587           255         b         N-4-THTP-dioxide         3,5-diAc-Ph         641           256         b         NCH2-thiazol-2-yl         3,5-diAc-Ph         606           257         b         NCH2CH2OH         3,5-diAc-Ph         553           258         b         NCH2CH2OMe         3,5-diAc-Ph         557           259         b         NCH2CH2-morpholin-         3,5-diAc-Ph         622           1-yl         3,5-diAc-Ph         567           261         b         NCH2CH2CH2OH         3,5-diAc-Ph         567           261         b         NCO2Me         3-Me-5-(1-Me-5-         579           262         b         COCH2NMe2         3-Me-5-(1-Me-5-         606           263         b         NSO2Me         3-Me-5-(1-Me-5-         599	250	b		4-F-Ph	556	
252         b         NCO2Me         3,5-diAc-Ph         567           253         b         COCH2NMe2         3,5-diAc-Ph         594           254         b         NSO2Me         3,5-diAc-Ph         587           255         b         N-4-THTP-dioxide         3,5-diAc-Ph         641           256         b         NCH2-thiazol-2-yl         3,5-diAc-Ph         606           257         b         NCH2CH2OH         3,5-diAc-Ph         553           258         b         NCH2CH2OMe         3,5-diAc-Ph         557           259         b         NCH2CH2-morpholin-         3,5-diAc-Ph         622           1-yl         3,5-diAc-Ph         567           261         b         NCO2Me         3-Me-5-(1-Me-5-         579           tetrazole)-Ph         262         b         COCH2NMe2         3-Me-5-(1-Me-5-         606           tetrazole)-Ph         263         b         NSO2Me         3-Me-5-(1-Me-5-         599	<u> </u>					
253         b         COCH2NMe2         3,5-diAc-Ph         594           254         b         NSO2Me         3,5-diAc-Ph         587           255         b         N-4-THTP-dioxide         3,5-diAc-Ph         641           256         b         NCH2-thiazo1-2-yl         3,5-diAc-Ph         606           257         b         NCH2CH2OH         3,5-diAc-Ph         553           258         b         NCH2CH2OMe         3,5-diAc-Ph         557           259         b         NCH2CH2-morpholin-         3,5-diAc-Ph         622           1-yl         3,5-diAc-Ph         567           261         b         NCH2CH2CH2OH         3,5-diAc-Ph         567           261         b         NCO2Me         3-Me-5-(1-Me-5-         579           tetrazole)-Ph         262         b         COCH2NMe2         3-Me-5-(1-Me-5-         606           tetrazole)-Ph         263         b         NSO2Me         3-Me-5-(1-Me-5-         599			<del>                                     </del>			
254         b         NSO2Me         3,5-diAc-Ph         587           255         b         N-4-THTP-dioxide         3,5-diAc-Ph         641           256         b         NCH2-thiazo1-2-yl         3,5-diAc-Ph         606           257         b         NCH2CH2OH         3,5-diAc-Ph         553           258         b         NCH2CH2OMe         3,5-diAc-Ph         557           259         b         NCH2CH2-morpholin-         3,5-diAc-Ph         622           1-yl         3,5-diAc-Ph         567           261         b         NCH2CH2CH2OH         3,5-diAc-Ph         567           261         b         NCO2Me         3-Me-5-(1-Me-5-         579           tetrazole)-Ph         262         b         COCH2NMe2         3-Me-5-(1-Me-5-         606           tetrazole)-Ph         263         b         NSO2Me         3-Me-5-(1-Me-5-         599						
255         b         N-4-THTP-dioxide         3,5-diAc-Ph         641           256         b         NCH2-thiazo1-2-yl         3,5-diAc-Ph         606           257         b         NCH2CH2OH         3,5-diAc-Ph         553           258         b         NCH2CH2OMe         3,5-diAc-Ph         557           259         b         NCH2CH2-morpholin- 1-yl         3,5-diAc-Ph         622           260         b         NCH2CH2CH2OH         3,5-diAc-Ph         567           261         b         NCO2Me         3-Me-5-(1-Me-5-         579           tetrazole)-Ph         262         b         COCH2NMe2         3-Me-5-(1-Me-5-         606           263         b         NSO2Me         3-Me-5-(1-Me-5-         599						
256         b         NCH2-thiazo1-2-yl         3,5-diAc-Ph         606           257         b         NCH2CH2OH         3,5-diAc-Ph         553           258         b         NCH2CH2OMe         3,5-diAc-Ph         557           259         b         NCH2CH2-morpholin- 1-yl         3,5-diAc-Ph         622           260         b         NCH2CH2CH2OH         3,5-diAc-Ph         567           261         b         NCO2Me         3-Me-5-(1-Me-5- tetrazole)-Ph         579           262         b         COCH2NMe2         3-Me-5-(1-Me-5- tetrazole)-Ph         606           263         b         NSO2Me         3-Me-5-(1-Me-5- 599						
257         b         NCH2CH2OH         3,5-diAc-Ph         553           258         b         NCH2CH2OMe         3,5-diAc-Ph         557           259         b         NCH2CH2-morpholin- 1-yl         3,5-diAc-Ph         622           260         b         NCH2CH2CH2OH         3,5-diAc-Ph         567           261         b         NCO2Me         3-Me-5-(1-Me-5- tetrazole)-Ph         579           262         b         COCH2NMe2         3-Me-5-(1-Me-5- tetrazole)-Ph         606           263         b         NSO2Me         3-Me-5-(1-Me-5- 599         599						
258         b         NCH2CH2OMe         3,5-diAc-Ph         557           259         b         NCH2CH2-morpholin- 1-yl         3,5-diAc-Ph         622           260         b         NCH2CH2CH2OH         3,5-diAc-Ph         567           261         b         NCO2Me         3-Me-5-(1-Me-5- tetrazole)-Ph         579           262         b         COCH2NMe2         3-Me-5-(1-Me-5- tetrazole)-Ph         606           263         b         NSO2Me         3-Me-5-(1-Me-5- 599         599						
Description		b				
1-y1           260         b         NCH2CH2CH2OH         3,5-diAc-Ph         567           261         b         NCO2Me         3-Me-5-(1-Me-5-579 tetrazole)-Ph           262         b         COCH2NMe2         3-Me-5-(1-Me-5-606 tetrazole)-Ph           263         b         NSO2Me         3-Me-5-(1-Me-5-599 tetrazole)-Ph		b			557	
260         b         NCH2CH2CH2OH         3,5-diAc-Ph         567           261         b         NCO2Me         3-Me-5-(1-Me-5-579 tetrazole)-Ph         579           262         b         COCH2NMe2         3-Me-5-(1-Me-5-606 tetrazole)-Ph         606           263         b         NSO2Me         3-Me-5-(1-Me-5-599	259	b		3,5-diAc-Ph	622	
261         b         NCO2Me         3-Me-5-(1-Me-5-579 tetrazole)-Ph         579           262         b         COCH2NMe2         3-Me-5-(1-Me-5-606 tetrazole)-Ph           263         b         NSO2Me         3-Me-5-(1-Me-5-599					<u>.                                    </u>	
tetrazole)-Ph  262 b COCH2NMe2 3-Me-5-(1-Me-5- 606 tetrazole)-Ph  263 b NSO2Me 3-Me-5-(1-Me-5- 599						
262 b COCH2NMe2 3-Me-5-(1-Me-5- 606 tetrazole)-Ph 263 b NSO2Me 3-Me-5-(1-Me-5- 599	261	b	NCO2Me		579	
tetrazole)-Ph 263 b NSO2Me 3-Me-5-(1-Me-5- 599						
263 b NSO2Me 3-Me-5-(1-Me-5- 599	262	b	COCH2NMe2		606	
+a+maga1a1_Dh	263	b	NSO2Me		599	
				tetrazole)-Ph		
264 b NCH2-thiazol-2-yl 3-Me-5-(1-Me-5- 618	264	b				

	т	т	T	1
1000	<del> </del>	2707100710071	tetrazole)-Ph	<del> </del>
265	b	NCH2CH2OH	3-Me-5-(1-Me-5-	565
1	ļ <u>-</u>		tetrazole)-Ph	<del> </del> -
266	b	NCH2CH2OMe	3-Me-5-(1-Me-5-	579
L	<u> </u>		tetrazole)-Ph	<b></b>
267	) b	NCH2CH2-morpholin-	3-Me-5-(1-Me-5-	634
		1-y1	tetrazole)-Ph	
268	b	NCH2CH2CH2OH	3-Me-5-(1-Me-5-	579
L	L		tetrazole)-Ph	<u></u>
269	b	NCO2Me	3-Br-5-(1-Me-5-	643
			tetrazole)-Ph	<u> </u>
270	b	COCH2NMe2	3-Br-5-(1-Me-5-	670
			_tetrazole)-Ph	1
271	b	NSO2Me	3-Br-5-(1-Me-5-	663
1			tetrazole)-Ph	
272	b	N-4-THTP-dioxide	3-Br-5-(1-Me-5-	717
			tetrazole)-Ph	1
273	b	NCH2-thiazol-2-yl	3-Br-5-(1-Me-5-	682
	~	110112 01114201 1 71	tetrazole)-Ph	1 002
274	b	NCH2CH2OH	3-Br-5-(1-Me-5-	629
1 2 / 3	~	NCIIZ CIIZ CII	tetrazole)-Ph	025
275	b	NCH2CH2OMe	3-Br-5-(1-Me-5-	643
2,3	~	NCIIZ CIIZ OI IE	tetrazole)-Ph	043
276	b	NCH2CH2CH2OH	3-Br-5-(1-Me-5-	643
270	, D	NCH2CH2CH2OH	I	043
277		MDog	tetrazole)-Ph	F 2 0
277	d d	NBoc	benzyl	539
278		NH	benzyl	439
279	d	NBoc	THP-4-ylmethyl	547
280	d	NH	THP-4-ylmethyl	447
281	d	NBoc NBoc	THP-4-ylethyl	561
282	đ	NH	THP-4-ylethyl	461
283	đ	0	3-Me-5-(1-Me-5-	522
	<u></u>		tetrazole)-Ph	
284	đ	0	3-(1-Me-5-	508
			tetrazole)-Ph	
285	đ	0	5-Ac-4-Me-2-	489
			thiazole	
286	d	0	3-Ac-Ph	468
287	đ	0	CH2CH2-	463
			morpholin-1yl	
288	h	SO2	5-Ac-4-Me-2-	523
			thiazole	
289	h	SO2	3-(1-Me-5-	542
i i			tetrazole)-Ph	
290	h	S02	3-Ac-Ph	502
291	h	SO2	CH2CH2-	497
}	-		_morpholin-1yl	
292	i	SO2	5-Ac-4-Me-2-	537
	_		thiazole	/
293	i	SO2	CH2CH2-	511
	<b>-</b>	1	morpholin-1yl	211
294	h	NBoc	3-Me-5-(1-Me-5-	607
274	11	TABOC .	tetrazole)-Ph	007
295	h	. NBoc	5-Ac-4-Me-2-	474
295	11	, NBOC	, ,	4/4
<u></u>		<u></u>	thiazole	

The following tables contain representative examples of the present invention, and may be prepared by procedures described above, or methods familiar to one skilled in the art. Each entry in each table is intended to be paired with each formulae at the start of the table. For example, Entry 1 in Table 2 is intended to be paired with each of formulae 1-12. (All stereocenters are (+/-) unless otherwise indicated)

10

Table 2

15

Entry	R16	R9	R3
1	2-F	Н	Ph
2	2-F	H	3-CN-Ph
3	2-F	H	3-COMe-Ph
4	2-F	H	3-CO2Me-Ph

			2 CONTIA Ph
55	2-F	<u>H</u>	3-CONH2-Ph
6	2-F	H	3-CONHMe-Ph
7	2-F	H	3-F-Ph
8	2-F	H	3-C1-Ph
9	2-F	H	3-Br-Ph
10	2-F	<u>H</u>	3-SO2NH2-Ph
11	2-F	H	3-SO2NHMe-Ph
12	2-F	H	3-CF3-Ph
13	2-F	H	3-OMe-Ph
14	2-F	H	3-SMe-Ph
15	2-F	H	3-SOMe-Ph
16	2-F	H	3-SO2Me-Ph
17	2-F	H	3-OH-Ph
18	2-F	H	3-CH2OH-Ph
19	2-F	H	3-CHOHMe-Ph
20	2-F	H	3-COH (Me) 2-Ph
21	2-F	H	3-Me-Ph
22	2-F	H	3-Et-Ph
23	2-F	H	3-iPr-Ph
24	2-F	<u>н</u>	3-tF1-F11 3-tBu-Ph
25	2-F 2-F		3-CH2CO2Me-Ph
		H	3-(1-piperidinyl)-Ph
26	2-F	H	3-(1-piperidiny1)-Ph 3-(1-pyrrolidiny1)-Ph
27	2-F	H	
28	2-F	H	3-(2-imidazolyl)-Ph
29	2-F	H	3-(1-imidazolyl)-Ph
30	2-F	H	3-(2-thiazolyl)-Ph
31	2-F	H	3-(3-pyrazolyl)-Ph
32	2-F	H	3-(1-pyrazolyl)-Ph
33	2-F	H	3-(5-Me-1-tetrazolyl)-Ph
34	2-F	H	3-(1-Me-5-tetrazoly1)-Ph
35	2-F	H	3-(2-pyridyl)-Ph
36	2-F	H	3-(2-thienyl)-Ph
37	2-F	H	3-(2-furany1)-Ph
38	2-F	H	4-CN-Ph
39	2-F	H	4-COMe-Ph
40	2-F	H	4-CO2Me-Ph
41	2-F	H	4-CONH2-Ph
42	2-F	H	4-CONHMe-Ph
43	2-F	H	4-CONHPh-Ph
44	2-F	Н	4-F-Ph
45	2-F	Н	4-C1-Ph
46	2-F	H	4-Br-Ph
47	2-F	H	4-SO2NH2-Ph
48	2-F	Н	4-SO2NHMe-Ph
49	2-F	H	4-CF3-Ph
50	2-F	H	4-OMe-Ph
51	2-F	H	4-SMe-Ph
52	2-F	H	4-SOMe-Ph
53	2-F	<u> Н</u>	4-SO2Me-Ph
54	2-F	<u>н</u>	4-0H-Ph
55	2-F	H	4-CH2OH-Ph
56	2-F 2-F		4-CH2OH-PH 4-CHOHMe-Ph
		H	<u></u>
57	2-F	H	4-COH (Me) 2-Ph
58	2-F	<u>H</u>	4-Me-Ph
59	2-F	H	4-Et-Ph

	T 5 =	77	1
60	2-F	H	4-iPr-Ph
61	2-F	H	4-tBu-Ph
62	2-F	H	4-CH2CO2Me-Ph
63	2-F	H	4-(1-piperidinyl)-Ph
64	2-F	Н	4-(1-pyrrolidinyl)-Ph
65	2-F	Н	4-(2-imidazolyl)-Ph
66	2-F	Н	4-(1-imidazolyl)-Ph
67	2-F	Н	4-(2-thiazolyl)-Ph
68	2-F	Н	4-(3-pyrazoly1)-Ph
69	2-F	H	4-(1-pyrazoly1)-Ph
70	2-F	H	4-(5-Me-1-tetrazoly1)-Ph
71	<del></del>		
	2-F	H	4-(1-Me-5-tetrazolyl)-Ph
72	2-F	H	4-(2-pyridy1)-Ph
73	2-F	H	4-(2-thieny1)-Ph
74	2-F	H	4-(2-furanyl)-Ph
75	2-F	H	2-CN-Ph
76	2-F	H	2-COMe-Ph
77	2-F	Н	2-CO2Me-Ph
78	2-F	Н	2-CONH2-Ph
79	2-F	Н	2-CONHMe-Ph
80	2-F	н	2-F-Ph
81	2-F	Н	2-C1-Ph
82	2-F	H	2-Br-Ph
83	2-F	H	2-SO2NH2-Ph
84	2-F	H	2-SO2NHMe-Ph
	2-F		
85		H	2-CF3-Ph
86	2-F	H	2-OMe-Ph
87	2-F	H	2-SMe-Ph
88	2-F	H	2-SOMe-Ph
89	2-F	H	2-SO2Me-Ph
90	2-F	H	2-OH-Ph
91	2-F	H	2-CH2OH-Ph
92	2-F	H	2-CHOHMe-Ph
93	2-F	H	2-COH(Me)2-Ph
94	2-F	H	2-Me-Ph
95	2-F	Н	2-Et-Ph
96	2-F	H	2-iPr-Ph
97	2-F	H	2-tBu-Ph
98	2-F	H	2-CH2CO2Me-Ph
99	2-F	H	2-(1-piperidinyl)-Ph
100	2-F	H	2-(1-pyrrolidinyl)-Ph
	2-F 2-F		
101		H	2-(2-imidazolyl)-Ph
102	2-F	H	2-(1-imidazolyl)-Ph
103	2-F	H	2-(2-thiazolyl)-Ph
104	2-F	H	2-(3-pyrazolyl)-Ph
105	2-F	H	2-(1-pyrazolyl)-Ph
106	2-F	H	2-(5-Me-1-tetrazolyl)-Ph
107	2-F	Н	2-(1-Me-5-tetrazoly1)-Ph
108	2-F	Н	2-(2-pyridyl)-Ph
109	2-F	Н	2-(2-thienyl)-Ph
110	2-F	Н	2-(2-furanyl)-Ph
111	2-F	Н	2,4-diF-Ph
112	2-F	H	2,5-diF-Ph
113	2-F	H	2,6-diF-Ph
114	2-F		3,4-dif-Ph
114	<u> </u>	H	5,4-QIF-PN

			2 5 3 2 2
115	2-F	H	3,5-diF-Ph
116	2-F	H	2,4-diCl-Ph
117	2-F	H	2,5-diCl-Ph
118	2-F	H	2,6-diCl-Ph
119	2-F	H	3,4-diCl-Ph
120	2-F	H	3,5-diCl-Ph
121	2-F	H	3,4-diCF3-Ph
122	2-F	H	3,5-diCF3-Ph
123	2-F	H	5-C1-2-MeO-Ph
124	2-F	H	5-Cl-2-Me-Ph
125	2-F	H	2-F-5-Me-Ph
126	2-F	H	3-F-5-morpholino-Ph
127	2-F	Н	3,4-OCH2O-Ph
128	2-F	H	3,4-OCH2CH2O-Ph
129	2-F	Н	2-MeO-5-CONH2-Ph
130	2-F	Н	2-MeO-4-(1-Me-5-tetrazolyl)-Ph
131	2-F	Н	2-MeO-5-(1-Me-5-tetrazoly1)-Ph
132	2-F	H	3-CONH2-5-(1-Me-5-tetrazoly1)-Ph
133	2-F	H	1-naphthyl
134	2-F	H	2-naphthy1
135	2-F	H	2-thienyl
136	2-F	Н	3-thienyl
137	2-F	H	2-furanyl
138	2-F	H	3-furanyl
139	2-F	H	2-pyridyl
140	2-F	H	3-pyridyl
141	2-F	H	4-pyridyl
142	2-F	H	2-indolyl
143	2-F	H	3-indolyl
144	2-F	H	5-indolyl
145	2-F	H	6-indolyl
146	2-F	H	3-indazolyl
147	2-F	H	5-indazolyl
148	2-F	H	6-indazolyl
149	2-F	H	2-imidazolyl
150	2-F	H	3-isoxazoyl
151	2-F	H	3-pyrazolyl
152	2-F	H	2-thiadiazolyl
153	2-F	H	2-thiazolyl
154	2-F	H	5-Ac-4-Me-2-thiazolyl
155	2-F	H	5-tetrazolyl
156	2-F	H	2-benzimidazolyl
157	2-F	H	5-benzimidazolyl
158	2-F	H	2-benzothiazolyl
159	2-F	H	5-benzothiazolyl
160	2-F	<u>н</u> Н	2-benzoxazolyl
161	2-F	<u>н</u> Н	5-benzoxazolyl
162	2-F	Н Н	1-adamantyl
163	2-F	<u> н</u>	2-adamantyl
164	2-F 2-F	H	i-Pr
165	2-F 2-F	H	t-Bu
166	2-F 2-F	H	c-Hex
167	2-F 2-F	H	CH2CH2OMe
<del></del>	2-F 2-F		CH2CH2OME CH2CONH2
168		H	
169	2-F	H	CH2CO2Me

170	2 5		CII (CII 2 Dh.) CO 2 Ma
	2-F	<u> </u>	CH (CH2Ph) CO2Me
171	2-F	н	CH2CH2NMe2
172	2-F	Н	benzyl
173	2-F	H	phenethyl
174	2-F	H	2-(morpholin-1-yl)-Et
175	2-F	Me	Ph
176	2-F	Me	3-CN-Ph
177	2-F	Me	3-COMe-Ph
178	2-F	Me	3-CO2Me-Ph
179	2-F	Me	3-CONH2-Ph
180	2-F	Me	3-CONHMe-Ph
181	2-F	Me	3-F-Ph
182	2-F	Me	3-C1-Ph
183	2-F	Me	3-Br-Ph
184	2-F	Me	3-SO2NH2-Ph
185	2-F	Me	3-SO2NHMe-Ph
186	2-F	Me	3-CF3-Ph
187	2-F	Me	3-OMe-Ph
188	2-F	Me	3-SMe-Ph
189	2-F	Me	3-SOMe-Ph
190	2-F	Me	3-SO2Me-Ph
191	2-F	Me	3-OH-Ph
192	2-F	Me	3-CH2OH-Ph
193	2-F	Me	3-CHOHMe-Ph
194	2-F	Me	3-COH(Me)2-Ph
195	2-F	Me	3-Me-Ph
196	2-F	Me	3-Et-Ph
197	2-F	Me	3-iPr-Ph
198	2-F	Me	3-tBu-Ph
199	2-F	Me	3-CH2CO2Me-Ph
200	2-F	Me	3-(1-piperidinyl)-Ph
201	2-F	Me	3-(1-pyrrolidinyl)-Ph
202	2-F	Me	3-(2-imidazolyl)-Ph
203	2-F	Me	3-(1-imidazolyl)-Ph
204	2-F	Me	3-(2-thiazoly1)-Ph
205	2-F	Me	3-(3-pyrazoly1)-Ph
206	2-F	Me	3-(1-pyrazoly1)-Ph
207	2-F	Me	3-(5-Me-1-tetrazoly1)-Ph
208	2-F	Me	3-(1-Me-5-tetrazolyl)-Ph
209	2-F	Me	3-(2-pyridy1)-Ph
210	2-F	Me	3-(2-thienyl)-Ph
211	2-F	Me	3-(2-furanyl)-Ph
212	2-F	Me	4-CN-Ph
213	2-F	Me	4-COMe-Ph
214	2-F	Me	4-CO2Me-Ph
215	2-F	Me	4-CONH2-Ph
216	2-F	Me	4-CONHMe-Ph
217	2-F	Me	4-CONHPh-Ph
218	2-F	Me	4-F-Ph
219	2-F	Me	4-C1-Ph
220	2-F	Me	4-Br-Ph
221	2-F	Me	4-SO2NH2-Ph
222	2-F	Me	4-SO2NHMe-Ph
223	2-F	Me	4-CF3-Ph
224	2-F	Me Me	4-OMe-Ph
444	1 2 - I.	1.16	4 OMC 111

225	2-F	Me	4-SMe-Ph
226	2-F	Me Me	4-SOMe-Ph
	2-F	Me Me	4-SOME-Ph
227			<del></del>
228	2-F	Me	4-OH-Ph
229	2-F	Me	4-CH2OH-Ph
230	2-F	Me	4-CHOHMe-Ph
231	2-F	Me	4-COH (Me) 2-Ph
232	2-F	Me	4-Me-Ph
233	2-F	Me	4-Et-Ph
234	2-F	Me	4-iPr-Ph
235	2-F	Me	4-tBu-Ph
236	2-F	Me	4-CH2CO2Me-Ph
237	2-F	Me	4-(1-piperidinyl)-Ph
238	2-F	Me	4-(1-pyrrolidinyl)-Ph
239	2-F	Me	4-(2-imidazoly1)-Ph
240	2-F	Me	4-(1-imidazolyl)-Ph
241	2-F	Me	4-(2-thiazolyl)-Ph
242	2-F	Me	4-(3-pyrazolyl)-Ph
243	2-F	Me	4-(1-pyrazolyl)-Ph
244	2-F	Me	4-(5-Me-1-tetrazoly1)-Ph
245	2-F	Me	4-(1-Me-5-tetrazoly1)-Ph
246	2-F	Me	4-(2-pyridyl)-Ph
247	2-F	Me	4-(2-thienyl)-Ph
248	2-F	Me Me	4-(2-threny1)-Ph 4-(2-furany1)-Ph
	2-F 2-F		2-CN-Ph
249		Me	
250	2-F	Me	2-COMe-Ph
251	2-F	Me	2-C02Me-Ph
252	2-F	Me	2-CONH2-Ph
253	2-F	Me	2-CONHMe-Ph
254	2-F	Me	2-F-Ph
255	2-F	Me	2-Cl-Ph
256	2-F	Me	2-Br-Ph
257	2-F	Me	2-S02NH2-Ph
258	2-F	Me	2-SO2NHMe-Ph
259	2-F	Me	2-CF3-Ph
260	2-F	Me	2-OMe-Ph
261	2-F	Me	2-SMe-Ph_
262	2-F	Me	2-SOMe-Ph
263	2-F	Me	2-SO2Me-Ph
264	2-F	Me	2-OH-Ph
265	2-F	Me	2-CH2OH-Ph
266	2-F	Me	2-CHOHMe-Ph
267	2-F	Me	2-COH(Me)2-Ph
268	2-F	Me	2-Me-Ph
269	2-F	Me	2-Et-Ph
270	2-F	Me	2-iPr-Ph
271	2-F	Me	2-tBu-Ph
272	2-F	Me	2-CH2CO2Me-Ph
273	2-F	Me	2-(1-piperidinyl)-Ph
274	2-F	Me	2-(1-pyrrolidinyl)-Ph
275	2-F	Me Me	2-(1-pyliolidily1)-Ph 2-(2-imidazoly1)-Ph
276	2-F	Ме	2-(2-imidazoly1)-Fh 2-(1-imidazoly1)-Ph
277	2-F 2-F	Me Me	2-(1-1mldazolyl)-Ph 2-(2-thiazolyl)-Ph
278	2-F	Me	2-(3-pyrazoly1)-Ph
279	2-F	Me	2-(1-pyrazolyl)-Ph

280	2-F	Me	2-(5-Me-1-tetrazoly1)-Ph
281	2-F	Me Me	2-(3-Me-1-tetrazoly1)-Ph
282	2-F	Me	2-(1-Me-3-tetrazory1/-rn 2-(2-pyridy1)-Ph
283	2-F	Me	2-(2-thienyl)-Ph
284	2-F	Me	2-(2-firefig1) -Ph
285	2-F	Me 	2,4-diF-Ph
286	2-F	Me Me	2,4 dir Fn 2,5-diF-Ph
287	2-F 2-F	Me Me	2,5-dif-FH 2,6-dif-Ph
288	2-F	Me Me	3,4-diF-Ph
289	2-F 2-F	Me Me	3,4-dir-rn 3,5-dir-ph
290	2-F	Me	2,4-diCl-Ph
291	2-F 2-F	Me Me	2,4-diC1-Ph
292	2-F	Me	2,6-diCl-Ph
293	2-F	Me Me	3,4-diCl-Ph
294	2-F	Me	3,5-diCl-Ph
294	2-F		3,4-diCF3-Ph
	2-F 2-F	Me Me	3,4-dicr3-Fii 3,5-diCF3-Ph
296			
297	2-F 2-F	Me Me	5-C1-2-MeO-Ph 5-C1-2-Me-Ph
298			
299	2-F 2-F	Me	2-F-5-Me-Ph 3-F-5-morpholino-Ph
300	2-F	Me	3,4-OCH2O-Ph
301		Me	3,4-OCH2O-PH 3,4-OCH2CH2O-Ph
302	2-F	Me	2-MeO-5-CONH2-Ph
303	2-F 2-F	Me	2-MeO-3-CONHZ-PH 2-MeO-4-(1-Me-5-tetrazolyl)-Ph
304		Me	
305	2-F	Me	2-MeO-5-(1-Me-5-tetrazolyl)-Ph 3-CONH2-5-(1-Me-5-tetrazolyl)-Ph
306	2-F	Me	
307	2-F	Me	1-naphthyl
308	2-F 2-F	Me Me	2-naphthyl 2-thienyl
309	2-F 2-F	ме Ме	3-thienyl
311	2-F 2-F	ме Ме	2-furanyl
312	2-F	Me Me	3-furanyl
313	2-F 2-F	Me Me	2-pyridyl
313	2-F 2-F	Me Me	3-pyridyl
315	2-F	Me Me	4-pyridyl
316	2-F 2-F	Me Me	2-indolyl
316	2-F 2-F	Me Me	3-indolyl
317	2-F 2-F	ме Ме	5-indolyl
319	2-F	ме Ме	6-indolyl
320	2-F 2-F	Me Me	3-indazolyl
	2-F 2-F	ме Ме	5-indazolyl
321 322			6-indazolyl
	2-F	Me Mo	2-imidazolyl
323	2-F	Me	2-imidazoiyi 3-isoxazoyl
324	2-F	Me	3-Isoxazoyi 3-pyrazolyl
325	2-F	Me	
326	2-F	Me	2-thiadiazolyl
327	2-F	Me	2-thiazolyl
328	2-F	Me	5-Ac-4-Me-2-thiazolyl
329	2-F	Me	5-tetrazolyl
330	2-F	Me	2-benzimidazolyl
331	2-F	Me	5-benzimidazolyl
332	2-F	Me	2-benzothiazolyl
333	2-F	Me	5-benzothiazolyl
	2-F	Me	2-benzoxazolyl

	T	<del></del>	T
335	2-F	Me	5-benzoxazolyl
336	2-F	Me	1-adamantyl
337	2-F	Me	2-adamantyl
338	2-F	Me	i-Pr
339	2-F	Me	t-Bu
340	2-F	Me	c-Hex
341	2-F	Me	CH2CH2OMe
342	2-F	Me	CH2CONH2
343	2-F	Me	CH2CO2Me
344	2-F	Me	CH (CH2Ph) CO2Me
345	2-F	Me	CH2CH2NMe2
346	2-F	Me	benzyl
347	2-F	Me	phenethyl
348	2-F	Me	2-(morpholin-1-yl)-Et
349	2-F	2-F-Et	Ph
350	2-F	2-F-Et	3-CN-Ph
351	2-F	2-F-Et	3-COMe-Ph
352	2-F	2-F-Et	3-CO2Me-Ph
353	2-F	2-F-Et	3-CONH2-Ph
354	2-F	2-F-Et	3-CONHMe-Ph
355	2-F	2-F-Et	3-F-Ph
356	2-F	2-F-Et	3-C1-Ph
357	2-F	2-F-Et	3-Br-Ph
358	2-F	2-F-Et	3-SO2NH2-Ph
359	2-F	2-F-Et	3-SO2NHMe-Ph
360	2-F	2-F-Et	3-CF3-Ph
361	2-F	2-F-Et	3-OMe-Ph
362	2-F	2-F-Et	3-SMe-Ph
363	2-F	2-F-Et	3-SMe-Ph
364	2-F	2-F-Et	3-S02Me-Ph
365	2-F	2-F-Et	3-OH-Ph
366	2-F	2-F-Et	3-CH2OH-Ph
367	2-F	2-F-Et	3-CHOHMe-Ph
368	2-F	2-F-Et	3-COH (Me) 2-Ph
369	2-F	2-F-Et	3-Me-Ph
370	2-F	2-F-Et	3-Et-Ph
371	2-F	2-F-Et	3-iPr-Ph
372	2-F	2-F-Et	3-tBu-Ph
373	2-F	2-F-Et	3-CH2CO2Me-Ph
374	2-F	2-F-Et	3-Ch2cO2Me-Fh 3-(1-piperidinyl)-Ph
374	2-F 2-F	2-F-Et	3-(1-piperidiny1)-Ph 3-(1-pyrrolidiny1)-Ph
376	2-F 2-F		3-(1-pyrrollarnyr)-Ph 3-(2-imidazolyl)-Ph
377	2-F 2-F	2-F-Et 2-F-Et	
			3-(1-imidazolyl)-Ph
378	2-F	2-F-Et	3-(2-thiazoly1)-Ph
379	2-F	2-F-Et	3-(3-pyrazoly1)-Ph
380	2-F	2-F-Et	3-(1-pyrazoly1)-Ph
381	2-F	2-F-Et	3-(5-Me-1-tetrazolyl)-Ph
382	2-F	2-F-Et	3-(1-Me-5-tetrazoly1)-Ph
383	2-F	2-F-Et	3-(2-pyridyl)-Ph
384	2-F	2-F-Et	3-(2-thienyl)-Ph
385	2-F	2-F-Et	3-(2-furany1)-Ph
386	2-F	2-F-Et	4-CN-Ph
.387	2-F	2-F-Et	4-COMe-Ph
388	2-F	2-F-Et	4-CO2Me-Ph
389	2-F	2-F-Et	4-CONH2-Ph

			<del></del>
390	2-F	2-F-Et	4-CONHMe-Ph
391	2-F	2-F-Et	4-CONHPh-Ph
392	2-F	2-F-Et	4-F-Ph
393	2-F	2-F-Et	4-Cl-Ph
394	2-F	2-F-Et	4-Br-Ph
395	2-F	2-F-Et	4-SO2NH2-Ph
396	2-F	2-F-Et	4-SO2NHMe-Ph
397	2-F	2-F-Et	4-CF3-Ph
398	2-F	2-F-Et	4-OMe-Ph
399	2-F	2-F-Et	4-SMe-Ph
400	2-F	2-F-Et	4-SOMe-Ph
401	2-F	2-F-Et	4-SO2Me-Ph
402	2-F	2-F-Et	4-OH-Ph
403	2-F	2-F-Et	4-CH2OH-Ph
404	2-F	2-F-Et	4-CHOHMe-Ph
		2-F-Et	4-COH (Me) 2-Ph
405	2-F		
406	2-F	2-F-Et	4-Me-Ph
407	2-F	2-F-Et	4-Et-Ph
408	2-F	2-F-Et	4-iPr-Ph
409	2-F	2-F-Et	4-tBu-Ph
410	2-F	2-F-Et	4-CH2CO2Me-Ph
411	2-F	2-F-Et	4-(1-piperidinyl)-Ph
412	2-F	2-F-Et	4-(1-pyrrolidinyl)-Ph
413	2-F	2-F-Et	4-(2-imidazolyl)-Ph
414	2-F	2-F-Et	4-(1-imidazolyl)-Ph
415	2-F	2-F-Et	4-(2-thiazoly1)-Ph
416	2-F	2-F-Et	4-(3-pyrazoly1)-Ph
417	2-F	2-F-Et	4-(1-pyrazolyl)-Ph
418	2-F	2-F-Et	4-(5-Me-1-tetrazoly1)-Ph
419	2-F	2-F-Et	4-(1-Me-5-tetrazolyl)-Ph
420	2-F	2-F-Et	4-(2-pyridyl)-Ph
421	2-F	2-F-Et	4-(2-thienyl)-Ph
422	2-F	2-F-Et	4-(2-furanyl)-Ph
423	2-F	2-F-Et	2-CN-Ph
424	2-F	2-F-Et	2-COMe-Ph
425	2-F	2-F-Et	2-CO2Me-Ph
426	2-F	2-F-Et	2-CONH2-Ph
427	2-F	2-F-Et	2-CONHMe-Ph
428	2-F	2-F-Et	2-F-Ph
429	2-F	2-F-Et	2-C1-Ph
430	2-F	2-F-Et	2-Br-Ph
431	2-F	2-F-Et	2-SO2NH2-Ph
432	2-F	2-F-Et	2-SO2NHMe-Ph
433	2-F	2-F-Et	2-S02NiMe-Fii 2-CF3-Ph
434	2-F 2-F	2-F-Et	2-OMe-Ph
434		2-F-Et	2-SMe-Ph
	2-F		2-SMe-Ph
436	2-F	2-F-Et	
437	2-F	2-F-Et	2-SO2Me-Ph
438	2-F	2-F-Et	2-OH-Ph
439	2-F	2-F-Et	2-CH2OH-Ph
440	2-F	2-F-Et	2-CHOHMe-Ph
441	2-F	2-F-Et	2-COH (Me) 2-Ph
442	2-F	2-F-Et	2-Me-Ph
443	2-F	2-F-Et	2-Et-Ph
444	2-F	2-F-Et	2-iPr-Ph

			<b>*</b>
445	2-F	2-F-Et	2-tBu-Ph
446	2-F	2-F-Et	2-CH2CO2Me-Ph
447	2-F	2-F-Et	2-(1-piperidinyl)-Ph
448	2-F	2-F-Et	2-(1-pyrrolidinyl)-Ph
449	2-F	2-F-Et	2-(2-imidazolyl)-Ph
450	2-F	2-F-Et	2-(1-imidazolyl)-Ph
451	2-F	2-F-Et	2-(2-thiazolyl)-Ph
452	2-F	2-F-Et	2-(3-pyrazolyl)-Ph
453	2-F	2-F-Et	2-(1-pyrazolyl)-Ph
454	2-F	2-F-Et	2-(5-Me-1-tetrazolyl)-Ph
455	2-F	2-F-Et	2-(1-Me-5-tetrazoly1)-Ph
456	2-F	2-F-Et	2-(2-pyridy1)-Ph
457	2-F	2-F-Et	2-(2-thienyl)-Ph
458	2-F	2-F-Et	2-(2-furany1)-Ph
459	2-F	2-F-Et	2,4-diF-Ph
460	2-F	2-F-Et	2,5-diF-Ph
461	2-F	2-F-Et	2,6-diF-Ph
462	2-F 2-F	2-F-Et 2-F-Et	3,4-diF-Ph
	2-F 2-F		3,4-dir-Ph 3,5-dir-Ph
463	2-F 2-F	2-F-Et	2,4-diCl-Ph
464		2-F-Et	
465	2-F	2-F-Et	2,5-diCl-Ph
466	2-F	2-F-Et	2,6-diCl-Ph
467	2-F	2-F-Et	3,4-diCl-Ph
468	2-F	2-F-Et	3,5-diCl-Ph
469	2-F	2-F-Et_	3,4-diCF3-Ph
470	2-F	2-F-Et	3,5-diCF3-Ph
471	2-F	2-F-Et	5-C1-2-MeO-Ph
472	2-F	2-F-Et_	5-C1-2-Me-Ph
473	2-F	2-F-Et	2-F-5-Me-Ph
474	2-F	2-F-Et	3-F-5-morpholino-Ph
475	2-F	2-F-Et	3,4-OCH2O-Ph
476	2-F	2-F-Et	3,4-OCH2CH2O-Ph
477	2-F	2-F-Et	2-MeO-5-CONH2-Ph
478	2-F	2-F-Et	2-MeO-4-(1-Me-5-tetrazoly1)-Ph
479	2-F	2-F-Et	2-MeO-5-(1-Me-5-tetrazoly1)-Ph
480	2-F	2-F-Et	3-CONH2-5-(1-Me-5-tetrazoly1)-Ph
481	2-F	2-F-Et	1-naphthyl
482	2-F	2-F-Et	2-naphthyl
483	2-F	2-F-Et	2-thienyl
484	2-F	2-F-Et	3-thienyl
485	2-F	2-F-Et	2-furanyl
486	2-F	2-F-Et	3-furanyl
487	2-F	2-F-Et	2-pyridyl
488	2-F	2-F-Et	3-pyridyl
489	2-F	2-F-Et	4-pyridyl
490	2-F	2-F-Et	2-indolyl
491	2-F	2-F-Et	3-indolyl
492	2-F	2-F-Et	5-indolyl
493	2-F	2-F-Et	6-indolyl
494	2-F	2-F-Et	3-indazolyl
494	2-F 2-F		5-indazolyl 5-indazolyl
	2-F 2-F	2-F-Et	6-indazolyl
496		2-F-Et	
497	2-F	2-F-Et	2-imidazolyl
498	2-F	2-F-Et	3-isoxazoyl
499	2-F	2-F-Et	3-pyrazolyl

500	2-F	2-F-Et	2-thiadiazolyl
501	2-F	2-F-Et	2-thiazolyl
502	2-F	2-F-Et	5-Ac-4-Me-2-thiazolyl
503	2-F	2-F-Et	5-tetrazolyl
504	2-F	2-F-Et	2-benzimidazolyl
505	2-F	2-F-Et	5-benzimidazolyl
506	2-F	2-F-Et	2-benzothiazolyl
507	2-F	2-F-Et	5-benzothiazolyl
508	2-F	2-F-Et	2-benzoxazolyl
509	2-F	2-F-Et	5-benzoxazoly1
510	2-F	2-F-Et	1-adamantyl
511	2-F	2-F-Et	2-adamantyl
512	2-F	2-F-Et	i-Pr
513	2-F	2-F-Et	t-Bu
514	2-F	2-F-Et	c-Hex
515	2-F	2-F-Et	CH2CH2OMe
516	2-F	2-F-Et	CH2CONH2
517	2-F	2-F-Et	CH2CO2Me
518	2-F	2-F-Et	CH (CH2Ph) CO2Me
519	2-F	2-F-Et	CH2CH2NMe2
520	2-F	2-F-Et	benzyl
521	2-F	2-F-Et	phenethyl
522	2-F	2-F-Et	2-(morpholin-1-yl)-Et
523	2-F	CO2Me	Ph
524	2-F	CO2Me	3-CN-Ph
525	2-F	CO2Me	3-COMe-Ph
526	2-F	CO2Me	3-CO2Me-Ph
527	2-F	CO2Me	3-CONH2-Ph
528	2-F	CO2Me	3-CONHMe-Ph
529	2-F	CO2Me	3-F-Ph
530	2-F	CO2Me	3-C1-Ph
531	2-F	CO2Me	3-Br-Ph
532	2-F	CO2Me	3-SO2NH2-Ph
533	2-F	CO2Me	3-SO2NHMe-Ph
534	2-F	CO2Me	3-CF3-Ph
535	2-F	CO2Me	3-OMe-Ph
536	2-F	CO2Me	3-SMe-Ph
537	2-F	CO2Me	3-SOMe-Ph
538	2-F	CO2Me	3-SO2Me-Ph
539	2-F	CO2Me	3-OH-Ph
540	2-F 2-F	CO2Me	3-CH2OH-Ph
541	2-F 2-F	CO2Me CO2Me	3-CH2OH-FH 3-CHOHMe-Ph
			3-CHOMME-FII 3-COH(Me)2-Ph
542 543	2-F	CO2Me	3-Me-Ph
543	2-F	CO2Me	3-Me-Ph 3-Et-Ph
	2-F	CO2Me	3-EC-PH 3-iPr-Ph
545	2-F	CO2Me	3-1PF-Ph 3-tBu-Ph
546	2-F	CO2Me	
547	2-F	CO2Me	3-CH2CO2Me-Ph
548	2-F	CO2Me	3-(1-piperidinyl)-Ph
549	2-F	CO2Me	3-(1-pyrrolidinyl)-Ph
550	2-F	CO2Me	3-(2-imidazolyl)-Ph
551	2-F	CO2Me	3-(1-imidazoly1)-Ph
552	2-F	CO2Me	3-(2-thiazolyl)-Ph
553	2-F	CO2Me	3-(3-pyrazolyl)-Ph
554	2-F	CO2Me	3-(1-pyrazolyl)-Ph

			2 /5 1/2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
555	2-F	CO2Me	3-(5-Me-1-tetrazoly1)-Ph
556	2-F	CO2Me	3-(1-Me-5-tetrazolyl)-Ph
557	2-F	CO2Me	3-(2-pyridy1)-Ph
558	2-F	CO2Me	3-(2-thienyl)-Ph
559	2-F	CO2Me	3-(2-furanyl)-Ph
560	2-F	CO2Me	4-CN-Ph
561	2-F	CO2Me	4-COMe-Ph
562	2-F	CO2Me	4-CO2Me-Ph
563	2-F	CO2Me	4-CONH2-Ph
564	2-F	CO2Me	4-CONHMe-Ph
565	2-F	CO2Me	4-CONHPh-Ph
566	2-F	CO2Me	4-F-Ph
567	2-F	CO2Me	4-C1-Ph
568	2-F	CO2Me	4-Br-Ph
569	2-F	CO2Me	4-SO2NH2-Ph
			4-SO2NHMe-Ph
570	2-F	CO2Me	<del></del>
571	2-F	CO2Me	4-CF3-Ph
572	2-F	CO2Me	4-0Me-Ph
573	2-F	CO2Me	4-SMe-Ph_
574	2-F	CO2Me	4-SOMe-Ph
575	2-F	CO2Me	4-SO2Me-Ph
576	2-F	CO2Me	4-OH-Ph
577	2-F	CO2Me	4-CH2OH-Ph
578	2-F	CO2Me	4-CHOHMe-Ph
579	2-F	CO2Me	4-COH(Me)2-Ph
580	2-F	CO2Me	4-Me-Ph
581	2-F	CO2Me	4-Et-Ph
582	2-F	CO2Me	4-iPr-Ph
583	2-F	CO2Me	4-tBu-Ph
584	2-F	CO2Me	4-CH2CO2Me-Ph
585	2-F	CO2Me	4-(1-piperidinyl)-Ph
586	2-F	CO2Me	4-(1-pyrrolidinyl)-Ph
587	2-F	CO2Me	4-(2-imidazolyl)-Ph
588	2-F	CO2Me	4-(1-imidazolyl)-Ph
589	2-F	CO2Me	4-(2-thiazoly1)-Ph
590	2-F	CO2Me	4-(3-pyrazoly1)-Ph
591	2-F	CO2Me	4-(1-pyrazoly1)-Ph
	2-F	CO2Me	
592			4-(5-Me-1-tetrazoly1)-Ph
593	2-F	CO2Me	4-(1-Me-5-tetrazolyl)-Ph
594	2-F	CO2Me	4-(2-pyridyl)-Ph
595	2-F	CO2Me	4-(2-thienyl)-Ph
596	2-F	CO2Me	4-(2-furanyl)-Ph
597	2-F	CO2Me	2-CN-Ph
598	2-F	CO2Me	2-COMe-Ph
599	2-F	CO2Me	2-CO2Me-Ph
600	2-F	CO2Me	2-CONH2-Ph
601	2-F	CO2Me	2-CONHMe-Ph
602	2-F	CO2Me	2-F-Ph
603	2-F	CO2Me	2-Cl-Ph
604	2-F	CO2Me	2-Br-Ph
605	2-F	CO2Me	2-SO2NH2-Ph
606	2-F	CO2Me	2-SO2NHMe-Ph
607	2-F	CO2Me	2-CF3-Ph
608	2-F	CO2Me	2-OMe-Ph
609	2-F	CO2Me	2-SMe-Ph
009	L 4-F	COZME	4-0HE-FII

		00016-	2 COVC Pl
610	2-F	CO2Me	2-SOMe-Ph
611	2-F	CO2Me	2-SO2Me-Ph
612	2-F	CO2Me	2-OH-Ph
613	2-F	CO2Me	2-CH2OH-Ph
614	2-F	CO2Me	2-CHOHMe-Ph
615	2-F	CO2Me	2-COH (Me) 2-Ph
616	2-F	CO2Me	2-Me-Ph
617	2-F	CO2Me_	2-Et-Ph
618	2-F	CO2Me_	2-iPr-Ph
619	2-F	CO2Me	2-tBu-Ph
620	2-F	CO2Me	2-CH2CO2Me-Ph
621	2-F	CO2Me	2-(1-piperidinyl)-Ph
622	2-F	CO2Me	2-(1-pyrrolidinyl)-Ph
623	2-F	CO2Me	2-(2-imidazolyl)-Ph
624	2-F	CO2Me	2-(1-imidazolyl)-Ph
625	2-F	CO2Me	2-(2-thiazoly1)-Ph
626	2-F	CO2Me	2-(3-pyrazolyl)-Ph
627	2-F	CO2Me	2-(1-pyrazolyl)-Ph
628	2-F	CO2Me	2-(5-Me-1-tetrazoly1)-Ph
629	2-F	CO2Me	2-(1-Me-5-tetrazoly1)-Ph
630	2-F	CO2Me	2-(2-pyridyl)-Ph
631	2-F	CO2Me	2-(2-thienyl)-Ph
632	2-F	CO2Me	2-(2-furanyl)-Ph
633	2-F	CO2Me	2,4-diF-Ph
634	2-F	CO2Me	2,5-diF-Ph
635	2-F	CO2Me	2,6-diF-Ph
636	2-F	CO2Me	3,4-diF-Ph
637	2-F	CO2Me	3,5-diF-Ph
638	2-F	CO2Me	2,4-diCl-Ph
639	2-F	CO2Me	2,5-diCl-Ph
640	2-F	CO2Me	2,6-diCl-Ph
641	2-F	CO2Me	3,4-diCl-Ph
642	2-F	CO2Me_	3,5-diCl-Ph
643	2-F	CO2Me	3,4-diCF3-Ph
644	2-F	CO2Me	3,5-diCF3-Ph
645	2-F	CO2Me	5-C1-2-MeO-Ph
646	2-F	CO2Me	5-Cl-2-Me-Ph
647	2-F	CO2Me	2-F-5-Me-Ph
648	2-F	CO2Me	3-F-5-morpholino-Ph
649	2-F	CO2Me	3,4-OCH2O-Ph
650	2-F	CO2Me	3,4-OCH2CH2O-Ph
651	2-F	CO2Me	2-MeO-5-CONH2-Ph
652	2-F	CO2Me	2-MeO-4-(1-Me-5-tetrazoly1)-Ph
653	2-F	CO2Me	2-MeO-5-(1-Me-5-tetrazolyl)-Ph
654	2-F	CO2Me	3-CONH2-5-(1-Me-5-tetrazolyl)-Ph
655	2-F	CO2Me	1-naphthy1
656	2-F	CO2Me	2-naphthy1
657	2-F	CO2Me	2-thienyl
658	2-F	CO2Me	3-thienyl
659	2-F	CO2Me	2-furanyl
660	2-F	CO2Me	3-furanyl
661	2-F	CO2Me	2-pyridyl
662	2-F	CO2Me	3-pyridyl
663	2-F	CO2Me	4-pyridyl
664	2-F	CO2Me	2-indolyl
			·

_665	2-F	CO2Me	3-indolyl
666	2-F	CO2Me	5-indolyl
667	2-F	CO2Me	6-indolyl
668	2-F	CO2Me	3-indazolyl
669	2-F	CO2Me	5-indazolyl
670	2-F	CO2Me	6-indazolyl
671	2-F	CO2Me	2-imidazolyl
672	2-F	CO2Me	3-isoxazoyl
673	2-F	CO2Me	3-pyrazolyl
674	2-F	CO2Me	2-thiadiazolyl_
675	2-F	CO2Me	2-thiazolyl
676	2-F	CO2Me	5-Ac-4-Me-2-thiazolyl
677	2-F	CO2Me	5-tetrazolyl
678	2-F	CO2Me	2-benzimidazolyl
679	2-F	CO2Me	5-benzimidazolyl
680	2-F	CO2Me	2-benzothiazoly1
681	2-F	CO2Me	5-benzothiazolyl
682	2-F	CO2Me	2-benzoxazolyl
683	2-F	CO2Me	5-benzoxazolyl
684	2-F	CO2Me	1-adamanty1
685	2-F	CO2Me	2-adamantyl
686	2-F	CO2Me	i-Pr
687	2-F	CO2Me	t-Bu
688	2-F	CO2Me	c-Hex
689	2-F	CO2Me	CH2CH2OMe
690	2-F	CO2Me	CH2CONH2
691	2-F	CO2Me	CH2CO2Me
692	2-F	CO2Me	CH(CH2Ph)CO2Me
693	2-F	CO2Me	CH2CH2NMe2
694	2-F	CO2Me	benzyl
695	2-F	CO2Me	phenethyl
696	2-F	CO2Me	2-(morpholin-1-yl)-Et
697	2-F	Ac	Ph
698	2-F	Ac	3-CN-Ph
699	2-F	Ac	3-COMe-Ph
700	2-F	Ac	3-CO2Me-Ph
701	2-F	Ac	3-CONH2-Ph
702	2-F	Ac	3-CONHMe-Ph
703	2-F	Ac	3-F-Ph
704	2-F	Ac	3-C1-Ph
705	2-F	Ac	3-Br-Ph
706	2-F	AC	3-SO2NH2-Ph
707	2-F	AC	3-SO2NHMe-Ph
708	2-F	AC	3-CF3-Ph
709	2-F	AC	3-OMe-Ph
710	2-F	Ac	3-SMe-Ph
711	2-F	AC	3-SOMe-Ph
712	2-F	Ac	3-SO2Me-Ph
713	2-F	AC	3-OH-Ph
714	2-F	AC	3-CH2OH-Ph
715	2-F 2-F	AC	3-CH2OH-FH 3-CHOHMe-Ph
716	2-F	AC	3-COH (Me) 2-Ph
717	2-F	AC	3-Me-Ph
717	2-F 2-F		3-Me-FH 3-Et-Ph
		Ac	3-EC-PH 3-iPr-Ph
719	2-F	Ac	2-141-411

720	2-F	Ac	3-tBu-Ph
721	2-F	Ac	3-CH2CO2Me-Ph
722	2-F	Ac	3-(1-piperidinyl)-Ph
723	2-F	Ac	3-(1-pyrrolidinyl)-Ph
723	2-F	AC	3-(2-imidazolyl)-Ph
725	2-F	AC	3-(1-imidazoly1)-Ph
726	2-F	AC	3-(2-thiazoly1)-Ph
727	2-F		3-(2-chiazoly1)-Ph
	2-F	Ac	
728		Ac	3-(1-pyrazoly1)-Ph
729	2-F	Ac	3-(5-Me-1-tetrazolyl)-Ph
730	2-F	Ac	3-(1-Me-5-tetrazolyl)-Ph
731	2-F	Ac	3-(2-pyridy1)-Ph
732	2-F	Ac	3-(2-thienyl)-Ph
733	2-F	Ac	3-(2-furany1)-Ph
734	2-F	Ac	4-CN-Ph
735	2-F	Ac	4-COMe-Ph
736	2-F	AC	4-CO2Me-Ph
737	2-F	Ac	4-CONH2-Ph
738	2-F	AC	4-CONHMe-Ph
739	2-F	Ac	4-CONHPh-Ph
740	2-F	Ac	4-F-Ph
741	2-F	Ac	4-Cl-Ph
742	2-F	Ac	4-Br-Ph
743	2-F	Ac	4-SO2NH2-Ph
744	2-F	Ac	4-SO2NHMe-Ph
745	2-F	Ac	4-CF3-Ph
746	2-F	Ac	4-OMe-Ph
747	2-F	Ac	4-SMe-Ph
748	2-F	Ac	4-SOMe-Ph
749	2-F	Ac	4-S02Me-Ph
750	2-F	Ac	4-OH-Ph
751	2-F	Ac	4-CH2OH-Ph
752	2-F	Ac	4-CHOHMe-Ph
753	2-F	Ac	4-COH(Me)2-Ph
754	2-F	Ac	4-Me-Ph
755	2-F	Ac	4-Et-Ph
756	2-F	Ac	4-iPr-Ph
757	2-F	Ac	4-tBu-Ph
758	2-F	Ac	4-CH2CO2Me-Ph
759	2-F	Ac	4-(1-piperidinyl)-Ph
760	2-F	Ac	4-(1-pyrrolidinyl)-Ph
761	2-F	Ac	4-(2-imidazoly1)-Ph
762	2-F	Ac	4-(1-imidazoly1)-Ph
763	2-F	Ac	4-(2-thiazolyl)-Ph
764	2-F	Ac	4-(3-pyrazoly1)-Ph
765	2-F	Ac	4-(1-pyrazolyl)-Ph
766	2-F	AC	4-(5-Me-1-tetrazolyl)-Ph
767	2-F	AC	4-(1-Me-5-tetrazoly1)-Ph
768	2-F	AC	4-(2-pyridy1)-Ph
769	2-F	AC	4-(2-thienyl)-Ph
770	2-F		4-(2-threny1)-Ph 4-(2-furany1)-Ph
771	2-F	AC	2-CN-Ph
772		Ac	2-CN-Pfi 2-COMe-Ph
	2-F	Ac	2-COME-Ph 2-CO2Me-Ph
773	2-F	Ac	
774	2-F	Ac	2-CONH2-Ph

775	2-F	Ac	2-CONHMe-Ph
776	2-F	Ac	2-F-Ph
777	2-F	Ac	2-Cl-Ph
778	2-F	Ac	2-Br-Ph
779	2-F	Ac	2-SO2NH2-Ph
780	2-F	Ac	2-SO2NHMe-Ph
781	2-F	Ac	2-CF3-Ph
782	2-F	Ac	2-OMe-Ph
783	2-F	Ac	2-SMe-Ph
784	2-F	Ac	2-SOMe-Ph
785	2-F	Ac	2-SO2Me-Ph
786	2-F	Ac	2-OH-Ph
787	2-F	Ac	2-CH2OH-Ph
788	2-F	Ac	2-CHOHMe-Ph
789	2-F	Ac	2-COH (Me) 2-Ph
790	2-F	Ac	2-Me-Ph
791	2-F	Ac	2-Et-Ph
792	2-F	AC	2-iPr-Ph
793	2-F	Ac	2-111-FH 2-tBu-Ph
794	2-F	Ac	2-CBU-FH 2-CH2CO2Me-Ph
795	2-F	AC	2-(1-piperidinyl)-Ph
796	2-F	AC	2-(1-pyrrolidinyl)-Ph
797	2-F	AC	2-(1-pyliolidiny1)-Fn 2-(2-imidazoly1)-Ph
798	2-F 2-F		2-(2-1midazoly1)-Fii 2-(1-imidazoly1)-Ph
799	2-F	Ac Ac	2-(1-1mida201y1)-Fii 2-(2-thiazoly1)-Ph
800	2-F 2-F	Ac	2-(2-thrazory1)-Ph 2-(3-pyrazoly1)-Ph
	2-F 2-F	Ac	2-(3-pyrazoly1)-Ph 2-(1-pyrazoly1)-Ph
801	2-F 2-F	Ac	
802 803	2-F 2-F	AC	2-(5-Me-1-tetrazoly1)-Ph 2-(1-Me-5-tetrazoly1)-Ph
	2-F 2-F	Ac Ac	2-(1-Me-3-tetlazoly1)-Fn 2-(2-pyridy1)-Ph
804 805	2-F 2-F	Ac Ac	2-(2-pylldyl)-Ph 2-(2-thienyl)-Ph
806	2-F 2-F	Ac Ac	2-(2-threny1)-Ph
807	2-F 2-F	AC	2,4-diF-Ph
	2-F	Ac	2,4-dif-Ph 2,5-dif-Ph
808	2-F 2-F	AC	
809	2-F	AC AC	2,6-diF-Ph 3,4-diF-Ph
810		Ac	3,4-dif-Ph
811	2-F 2-F	Ac	
812		Ac	2,4-diCl-Ph 2,5-diCl-Ph
813	2-F 2-F	AC	
814		Ac	2,6-diCl-Ph
815	2-F	Ac Ac	3,4-diCl-Ph
816	2-F	Ac	3,5-diCl-Ph
817	2-F	AC	3,4-diCF3-Ph
818	2-F	Ac	3,5-diCF3-Ph
819	2-F	Ac	5-C1-2-MeO-Ph
820	2-F	Ac	5-C1-2-Me-Ph
821	2-F	Ac	2-F-5-Me-Ph
822	2-F	Ac	3-F-5-morpholino-Ph
823	2-F	Ac	3,4-OCH2O-Ph
824	2-F	Ac	3,4-OCH2CH2O-Ph
825	2-F	Ac	2-MeO-5-CONH2-Ph
826	2-F	Ac	2-MeO-4-(1-Me-5-tetrazolyl)-Ph
827	2-F	Ac	2-MeO-5-(1-Me-5-tetrazoly1)-Ph
828	2-F	AC	3-CONH2-5-(1-Me-5-tetrazolyl)-Ph
829	2-F	Ac	1-naphthy1

830	2-F	Ac	2-naphthyl
831	2-F	Ac	2-thienyl
832	2-F	Ac	3-thienyl
833	2-F	Ac	2-furanyl
834	2-F	Ac	3-furanyl
835	2-F	Ac	2-pyridyl
836	2-F	Ac	3-pyridyl
837	2-F	Ac	4-pyridyl
838	2-F	Ac	2-indolyl
839	2-F	Ac	3-indolyl
840	2-F	Ac	5-indolyl
841	2-F	Ac	6-indolyl
842	2-F	Ac	3-indazolyl
843	2-F	Ac	5-indazolyl
844	2-F	Ac	6-indazolyl
845	2-F	Ac	2-imidazolyl
846	2-F	Ac	3-isoxazoyl
847	2-F	Ac	3-pyrazolyl
848	2-F	Ac	2-thiadiazolyl
849	2-F	Ac	2-thiazolyl
850	2-F	Ac	5-Ac-4-Me-2-thiazolyl
851	2-F	Ac	5-tetrazolyl
852	2-F	Ac	2-benzimidazolyl
853	2-F	Ac	5-benzimidazolyl
854	2-F	Ac	2-benzothiazolyl
855	2-F	Ac	5-benzothiazolyl
856	2-F	Ac	2-benzoxazolyl
857	2-F	Ac	5-benzoxazolyl
858	2-F	Ac	1-adamantyl
859	2-F	Ac	2-adamantyl
860	2-F	Ac	i-Pr
861	2-F	Ac	t-Bu
862	2-F	Ac	c-Hex
863	2-F	Ac	CH2CH2OMe
864	2-F	Ac	CH2CONH2
865	2-F	Ac	CH2CO2Me
866	2-F	Ac	CH(CH2Ph)CO2Me
867	2-F	Ac	CH2CH2NMe2
868	2-F	Ac	benzyl
869	2-F	Ac	phenethyl
870	2-F	Ac	2-(morpholin-1-yl)-Et
871	2-F	COtBu	Ph
872_	2-F	COtBu	3-CN-Ph
873_	2-F	COtBu	3-COMe-Ph
874	2-F	COtBu	3-CO2Me-Ph
875	2-F	COtBu	3-CONH2-Ph
876	2-F	COtBu	3-CONHMe-Ph
877	2-F	COtBu	3-F-Ph
878	2-F	COtBu	3-Cl-Ph
879	2-F	COtBu	3-Br-Ph
880	2-F	COtBu	3-SO2NH2-Ph
881	2-F	COtBu	3-SO2NHMe-Ph
882	2-F	COtBu	3-CF3-Ph
883	2-F	COtBu	3-OMe-Ph
884	2-F	COtBu	3-SMe-Ph

885	2 5	COEBu	3-SOMe-Ph
886	2-F 2-F	COtBu	3-SOME-PH 3-SO2Me-Ph
887	2-F 2-F	COtBu	3-SOZME-PH 3-OH-Ph
888	2-F 2-F	COtBu_	3-OH-PH 3-CH2OH-Ph
	2-F	COtBu_	3-CH2OH-PH 3-CHOHMe-Ph
889 890	2-F 2-F	COtBu	3-COH (Me) 2-Ph
	2-F 2-F	COtBu	3-Me-Ph
891	2-F 2-F	COtBu	3-Me-Ph 3-Et-Ph
892	2-F 2-F	COtBu	3-EC-PH 3-iPr-Ph
893	2-F	COtBu	3-tF1-Ffi 3-tBu-Ph
894	2-F	COtBu_	3-CH2CO2Me-Ph
895		COtBu	
896	2-F	COtBu	3-(1-piperidinyl)-Ph
897	2-F	COtBu	3-(1-pyrrolidinyl)-Ph
898	2-F	COtBu	3-(2-imidazoly1)-Ph
899	2-F	COtBu	3-(1-imidazoly1)-Ph
900	2-F	COtBu	3-(2-thiazoly1)-Ph
901	2-F	COtBu	3-(3-pyrazoly1)-Ph
902	2-F	COtBu	3-(1-pyrazoly1)-Ph
903	2-F	COtBu	3-(5-Me-1-tetrazoly1)-Ph
904	2-F	COtBu	3-(1-Me-5-tetrazoly1)-Ph
905	2-F	COtBu	3-(2-pyridyl)-Ph
906	2-F	COtBu	3-(2-thienyl)-Ph
907	2-F	COtBu	3-(2-furanyl)-Ph
908	2-F	COtBu	4-CN-Ph
909	2-F	COtBu	4-COMe-Ph
910	2-F	COtBu	4-CO2Me-Ph
911	2-F	COtBu	4-CONH2-Ph
912	2-F	COtBu	4-CONHMe-Ph
913	2-F	COtBu	4-CONHPh-Ph
914	2-F	COtBu	4-F-Ph
915	2-F	COtBu	4-C1-Ph
916	2-F	COtBu	4-Br-Ph
917	2-F	COtBu	4-SO2NH2-Ph
918	2-F	COtBu	4-SO2NHMe-Ph
919	2-F	COtBu	4-CF3-Ph
920	2-F	COtBu	4-OMe-Ph
921	2-F	COtBu	4-SMe-Ph
922	2-F	COtBu	4-SOMe-Ph
923	2-F	COtBu	4-SO2Me-Ph
924	2-F	COtBu	4-OH-Ph
925	2-F	COtBu	4-CH2OH-Ph
926	2-F	COtBu	4-CHOHMe-Ph
927	2-F	COtBu	4-COH (Me) 2-Ph
928	2-F	COtBu	4-Me-Ph
929	2-F	COtBu	4-Et-Ph
930	2-F	COtBu	4-iPr-Ph
931	2-F	COtBu	4-tBu-Ph
932	2-F	COtBu	4-CH2CO2Me-Ph
933	2-F	COtBu	4-(1-piperidinyl)-Ph
934	2-F	COtBu	4-(1-pyrrolidinyl)-Ph
935	2-F	COtBu	4-(2-imidazolyl)-Ph
936	2-F	COtBu	4-(1-imidazolyl)-Ph
937	2-F	COtBu	4-(2-thiazoly1)-Ph
938	2-F	COtBu	4-(3-pyrazoly1)-Ph
939	2-F	COtBu	4-(1-pyrazoly1)-Ph

940	2-F	COtBu	4-(5-Me-1-tetrazoly1)-Ph
941	2-F	COtBu	4-(1-Me-5-tetrazolyl)-Ph
942	2-F	COtBu	4-(2-pyridyl)-Ph
943	2-F	COtBu	4-(2-thienyl)-Ph
944	2-F	COtBu	4-(2-furanyl)-Ph
945	2-F	COtBu	2-CN-Ph
946	2-F	COtBu	2-COMe-Ph
947	2-F	COtBu	2-CO2Me-Ph
948	2-F	COtBu	2-CONH2-Ph
949	2-F	COtBu	2-CONHMe-Ph
950	2-F	COtBu	2-F-Ph
951	2-F	COtBu	2-Cl-Ph
952	2-F	COtBu	2-Br-Ph
953	2-F	COtBu	2-S02NH2-Ph
954	2-F	COtBu	2-SO2NHMe-Ph
955	2-F	COtBu	2-CF3-Ph
956	2-F	COtBu	2-OMe-Ph
957	2-F	COtBu	2-SMe-Ph
958	2-F	COtBu	2-SOMe-Ph
959	2-F	COtBu	2-S02Me-Ph
960	2-F	COtBu	2-OH-Ph
961	2-F	COtBu	2-CH2OH-Ph
962	2-F	COtBu	2-CHOHMe-Ph
963	2-F	COtBu	2-COH(Me)2-Ph
964	2-F	COtBu	2-Me-Ph
965	2-F	COtBu	2-Et-Ph
966	2-F	COtBu	2-iPr-Ph
967	2-F	COtBu	2-tBu-Ph
968	2-F	COtBu	2-CH2CO2Me-Ph
969	2-F	COtBu	2-(1-piperidinyl)-Ph
970	2-F	COtBu	2-(1-pyrrolidinyl)-Ph
971	2-F	COtBu	2-(2-imidazolyl)-Ph
972	2-F	COtBu	2-(1-imidazolyl)-Ph
973	2-F	COtBu	2-(2-thiazolyl)-Ph
974	2-F	COtBu	2-(3-pyrazolyl)-Ph
975	2-F	COtBu	2-(1-pyrazolyl)-Ph
976	2-F	COtBu	2-(5-Me-1-tetrazoly1)-Ph
977	2-F	COtBu	2-(1-Me-5-tetrazoly1)-Ph
978	2-F	COtBu	2-(2-pyridyl)-Ph
979	2-F	COtBu	2-(2-thienyl)-Ph
980	2-F	COtBu	2-(2-furanyl)-Ph
981	2-F	COtBu	2,4-diF-Ph
982	2-F	COtBu	2,5-diF-Ph
983	2-F	COtBu	2,6-diF-Ph
984	2-F	COtBu	3,4-diF-Ph
985	2-F	COtBu	3,5-diF-Ph
986	2-F	COtBu	2,4-diCl-Ph
987	2-F	COtBu	2,5-diCl-Ph
988	2-F	COtBu	2,6-diCl-Ph
989	2-F	COtBu	3,4-diCl-Ph
990	2-F	COtBu	3,5-diCl-Ph
991	2-F	COtBu	3,4-diCF3-Ph
992	2-F	COtBu	3,5-diCF3-Ph
993	2-F	COtBu	5-C1-2-MeO-Ph
994	2-F	COtBu	5-C1-2-Me-Ph
			3 01 2 110 111

995	2 5	COtBu	2-F-5-Me-Ph
996	2-F 2-F	COtBu	3-F-5-morpholino-Ph
997	2-F 2-F	COLBU	3,4-OCH2O-Ph
998	2-F 2-F	COLBU	3,4-OCH2CH2O-Ph
999	2-F 2-F	COtBu	2-MeO-5-CONH2-Ph
1000	2-F 2-F	COLBU	2-MeO-3-CONH2-PH 2-MeO-4-(1-Me-5-tetrazoly1)-Ph
	2-F		2-MeO-4-(1-Me-5-tetrazoly1)-Ph
1001	2-F 2-F	COtBu	3-CONH2-5-(1-Me-5-tetrazoly1)-Ph
1002	2-F 2-F	COtBu	1-naphthyl
1003	2-F 2-F	COtBu	
1004		COtBu	2-naphthyl
1005	2-F	COtBu	2-thienyl
1006	2-F	COtBu	3-thienyl
1007	2-F	COtBu	2-furanyl
1008	2-F	COtBu	3-furanyl
1009	2-F	COtBu	2-pyridyl
1010	2-F	COtBu	3-pyridyl
1011	2-F	COtBu	4-pyridyl
1012	2-F	COtBu	2-indolyl
1013	2-F	COtBu	3-indolyl
1014	2-F	COtBu	5-indolyl
1015	2-F	COtBu	6-indoly1
1016	2-F	COtBu	3-indazolyl
1017	2-F	COtBu	5-indazolyl
1018	2-F	COtBu	6-indazolyl
1019	2-F	COtBu	2-imidazolyl
1020	2-F	COtBu	3-isoxazoyl
1021	2-F	COtBu	3-pyrazolyl
1022	2-F	COtBu	2-thiadiazolyl
1023	2-F	COtBu	2-thiazolyl
1024	2-F	COtBu	5-Ac-4-Me-2-thiazolyl
1025	2-F	COtBu	5-tetrazolyl
1026	2-F	COtBu	2-benzimidazolyl
1027	2-F	COtBu	5-benzimidazolyl
1028	2-F	COtBu_	2-benzothiazolyl
1029	2-F	COtBu	5-benzothiazolyl
1030	2-F	COtBu_	2-benzoxazoly1
1031	2-F	COtBu	5-benzoxazolyl
1032	2-F	COtBu	1-adamantyl
1033	2-F	COtBu	2-adamantyl
1034	2-F	COtBu	i-Pr
1035	2-F	COtBu	t-Bu
1036	2-F	COtBu	c-Hex
1037	2-F	COtBu_	CH2CH2OMe
1038	2-F	COtBu	CH2CONH2
1039	2-F	COtBu	CH2CO2Me
1040	2-F	COtBu	CH(CH2Ph)CO2Me
1041	2-F	COtBu	CH2CH2NMe2
1042	2-F	COtBu	benzyl
1043	2-F	COtBu	phenethyl
1044	2-F	COtBu	2-(morpholin-1-yl)-Et
1045	2-F	SO2Me	Ph
1046	2-F	SO2Me	3-CN-Ph
1047	2-F	SO2Me	3-COMe-Ph
1048	2-F	SO2Me	3-CO2Me-Ph
1049	2-F	SO2Me	3-CONH2-Ph

1050	1 2 =	00035	2 CONTRACTOR
1050	2-F	SO2Me	3-CONHMe-Ph
1051	2-F 2-F	SO2Me	3-F-Ph
1052		SO2Me	3-C1-Ph
1053	2-F	SO2Me	3-Br-Ph
1054	2-F	SO2Me	3-SO2NH2-Ph
1055	2-F	SO2Me	3-SO2NHMe-Ph
1056	2-F	SO2Me	3-CF3-Ph
1057	2-F	SO2Me	3-OMe-Ph
1058	2-F	SO2Me	3-SMe-Ph
1059	2-F	SO2Me	3-SOMe-Ph
1060	2-F	SO2Me	3-S02Me-Ph
1061	2-F	SO2Me	3-OH-Ph
1062	2-F	SO2Me	3-CH2OH-Ph
1063	2-F	SO2Me	3-CHOHMe-Ph
1064	2-F	SO2Me	3-COH (Me) 2-Ph
1065	2-F	SO2Me	3-Me-Ph
1066	2-F	SO2Me	3-Et-Ph
1067	2-F	SO2Me	3-iPr-Ph
1068	2-F	SO2Me	3-tBu-Ph
1069	2-F	SO2Me	3-CH2CO2Me-Ph
1070	2-F	SO2Me	3-(1-piperidinyl)-Ph
1071	2-F	SO2Me	3-(1-pyrrolidinyl)-Ph
1072	2-F	SO2Me	3-(2-imidazolyl)-Ph
1073	2-F	SO2Me	3-(1-imidazolyl)-Ph
1074	2-F	SO2Me	3-(2-thiazoly1)-Ph
1075	2-F	SO2Me	3-(3-pyrazoly1)-Ph
1076	2-F	SO2Me	3-(1-pyrazoly1)-Ph
1077	2-F	SO2Me	3-(5-Me-1-tetrazolyl)-Ph
1078	2-F	SO2Me	3-(1-Me-5-tetrazolyl)-Ph
1079	2-F	SO2Me	3-(2-pyridyl)-Ph
1080	2-F	SO2Me_	3-(2-thienyl)-Ph
1081	2-F	SO2Me	3-(2-furany1)-Ph
1082	2-F	SO2Me	4-CN-Ph
1083	2-F	SO2Me	4-COMe-Ph
1084	2-F	SO2Me	4-CO2Me-Ph
1085	2-F	SO2Me	4-CONH2-Ph
1086	2-F	SO2Me	4-CONHMe-Ph
1087	2-F	SO2Me	4-CONHPh-Ph
1088	2-F	SO2Me	4-F-Ph
1089	2-F	SO2Me	4-C1-Ph
1090	2-F	SO2Me	4-Br-Ph
1091	2-F	SO2Me	4-SO2NH2-Ph
1092	2-F	SO2Me	4-SO2NHMe-Ph
1093	2-F	SO2Me	4-CF3-Ph
1094	2-F	SO2Me	4-OMe-Ph
1095	2-F	SO2Me	4-SMe-Ph
1096	2-F	SO2Me	4-SOMe-Ph
1097	2-F	SO2Me	4-SO2Me-Ph
1098	2-F	SO2Me	4-OH-Ph
1099	2-F	SO2Me	4-CH2OH-Ph
1100	2-F	SO2Me	4-CHOHMe-Ph
1101	2-F	SO2Me	4-COH(Me)2-Ph
1102	2-F	SO2Me	4-Me-Ph
1103	2-F	SO2Me	4-Et-Ph
1104	2-F	SO2Me	4-iPr-Ph
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1105	2-F	SO2Me	4-tBu-Ph
1106	2-F	SO2Me	4-CH2CO2Me-Ph
1107	2-F	SO2Me	4-(1-piperidinyl)-Ph
1108	2-F	SO2Me	4-(1-pyrrolidinyl)-Ph
1109	2-F	SO2Me	4-(2-imidazolyl)-Ph
1110	2-F	SO2Me	4-(1-imidazolyl)-Ph
1111	2-F	_SO2Me_	4-(2-thiazolyl)-Ph
1112	2-F	_SO2Me_	4-(3-pyrazolyl)-Ph
1113	2-F	SO2Me	4-(1-pyrazolyl)-Ph
1114	2-F	SO2Me	4-(5-Me-1-tetrazoly1)-Ph
1115	2-F	SO2Me_	4-(1-Me-5-tetrazolyl)-Ph
1116	2-F	SO2Me	4-(2-pyridyl)-Ph
1117	2-F	SO2Me	4-(2-thienyl)-Ph
1118	2-F	SO2Me	4-(2-furanyl)-Ph
1119	2-F	SO2Me	2-CN-Ph
1120	2-F	SO2Me	2-COMe-Ph
1121	2-F	SO2Me	2-CO2Me-Ph
1122	2-F	SO2Me	2-CONH2-Ph
1123	2-F	SO2Me	2-CONHMe-Ph
1124	2-F	SO2Me	2-F-Ph
1125	2-F	SO2Me	2-C1-Ph
1126	2-F	SO2Me	2-Br-Ph
1127	2-F	SO2Me	2-S02NH2-Ph
1128	2-F	SO2Me	2-SO2NHMe-Ph
1129	2-F	SO2Me	2-CF3-Ph
1130	2-F	SO2Me	2-OMe-Ph
1131	2-F	SO2Me	2-SMe-Ph
1132	2-F	SO2Me	2-SOMe-Ph
1133	2-F	SO2Me	2-SO2Me-Ph
1134	2-F	SO2Me	2-OH-Ph
1135	2-F	SO2Me	2-CH2OH-Ph
1136	2-F	SO2Me	2-CHOHMe-Ph
1137	2-F	SO2Me	2-COH(Me)2-Ph
1138	2-F	SO2Me	2-Me-Ph
1139	2-F	SO2Me	2-Et-Ph
1140	2-F	SO2Me	2-iPr-Ph
1141	2-F	SO2Me	2-tBu-Ph
1142	2-F	SO2Me	2-CH2CO2Me-Ph
1143	2-F	SO2Me	2-(1-piperidinyl)-Ph
1144	2-F	SO2Me	2-(1-pyrrolidinyl)-Ph
1145	2-F	SO2Me	2-(2-imidazolyl)-Ph
1146	2-F	SO2Me	2-(1-imidazoly1)-Ph
1147	2-F	SO2Me	2-(2-thiazolyl)-Ph
1148	2-F	SO2Me	2-(3-pyrazolyl)-Ph
1149	2-F	SO2Me	2-(1-pyrazolyl)-Ph
1150	2-F	SO2Me	2-(5-Me-1-tetrazoly1)-Ph
1151	2-F	SO2Me	2-(1-Me-5-tetrazolyl)-Ph
1152	2-F	SO2Me	2-(2-pyridyl)-Ph
1153	2-F	SO2Me	2-(2-thienyl)-Ph
1154	2-F	SO2Me	2-(2-furanyl)-Ph
1155	2-F	SO2Me	2,4-diF-Ph
1156	2-F	SO2Me	2,5-diF-Ph
1157	2-F	SO2Me	2,6-diF-Ph
1158	2-F	SO2Me	3,4-diF-Ph
1159	2-F	SO2Me	3,5-diF-Ph

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1160	2-F	SO2Me	2,4-diCl-Ph
1161	2-F	SO2Me	2,5-diCl-Ph
1162	2-F	SO2Me	2,6-diCl-Ph
1163	2-F	SO2Me	3,4-diCl-Ph
1164	2-F	SO2Me	3,5-diCl-Ph
1165	2-F	SO2Me	3,4-diCF3-Ph
1166	2-F	SO2Me	3,5-diCF3-Ph
1167	2-F	SO2Me	5-C1-2-MeO-Ph
1168	2-F	SO2Me	5-C1-2-Me-Ph
1169	2-F	SO2Me	2-F-5-Me-Ph
1170	2-F	SO2Me	3-F-5-morpholino-Ph
			3,4-OCH2O-Ph
1171	2-F	SO2Me_	
1172	2-F	SO2Me	3,4-OCH2CH2O-Ph
1173	2-F	SO2Me	2-MeO-5-CONH2-Ph
1174	2-F	SO2Me	2-MeO-4-(1-Me-5-tetrazolyl)-Ph
1175	2-F	SO2Me	2-MeO-5-(1-Me-5-tetrazolyl)-Ph
1176	2-F	SO2Me	3-CONH2-5-(1-Me-5-tetrazolyl)-Ph
1177	2-F	SO2Me	1-naphthyl
1178	2-F	SO2Me	2-naphthyl
1179	2-F	SO2Me	2-thienyl
1180	2-F	SO2Me	3-thienyl
1181	2-F	SO2Me	2-furanyl
1182	2-F	SO2Me	3-furanyl
1183	2-F	SO2Me	2-pyridyl
1184	2-F	SO2Me	3-pyridyl
1185	2-F	SO2Me	4-pyridyl
1186	2-F	SO2Me	2-indoly1
1187	2-F	SO2Me	3-indolyl
1188	2-F	SO2Me	5-indolyl
1189	2-F	SO2Me	6-indolyl
1190	2-F	SO2Me	3-indazolyl
1191	2-F	SO2Me	5-indazolyl
	2-F 2-F		6-indazolyl
1192		SO2Me	2-imidazolyl
1193	2-F	SO2Me	
1194	2-F	SO2Me_	3-isoxazoyl
1195	2-F	SO2Me	3-pyrazolyl
1196	2-F	SO2Me	2-thiadiazolyl
1197	2-F	SO2Me	2-thiazolyl
1198	2-F	SO2Me	5-Ac-4-Me-2-thiazolyl
1199	2-F	SO2Me	5-tetrazolyl_
1200	2-F	SO2Me_	2-benzimidazolyl
1201	2-F	SO2Me	5-benzimidazolyl
1202	2-F	SO2Me	2-benzothiazolyl
1203	2-F	SO2Me	5-benzothiazolyl
1204	2-F	SO2Me	2-benzoxazolyl
1205	2-F	SO2Me	5-benzoxazoly1
1206	2-F	SO2Me	1-adamantyl
1207	2-F	SO2Me	2-adamantyl
1208	2-F	SO2Me	i-Pr
1209	2-F	SO2Me	t-Bu
1210	2-F	SO2Me	c-Hex
1211	2-F	SO2Me	CH2CH2OMe
			CH2CH2OME CH2CONH2
1212	2-F	SO2Me	
1213	2-F	SO2Me	CH2CO2Me
1214	2-F	SO2Me	CH(CH2Ph)CO2Me

1215	2-F	SO2Me	CH2CH2NMe2
1216	2-F	SO2Me	benzyl
1217	2-F	SO2Me	phenethyl
1218	2-F	SO2Me	2-(morpholin-1-yl)-Et
1219	2-F	CH2COMe	Ph
1220	2-F	CH2COMe	3-CN-Ph
1221	2-F	CH2COMe	3-COMe-Ph
1222	2-F	CH2COMe	3-COME-Ph
1223	2-F	CH2COMe	3-CONH2-Ph
1224	2-F	CH2COMe	3-CONHZ-FII 3-CONHMe-Ph
	2-F 2-F	CH2COMe CH2COMe	3-F-Ph
1225			3-F-FII 3-C1-Ph
1226	2-F	CH2COMe	3-C1-PH 3-Br-Ph
1227	2-F	CH2COMe	
1228	2-F	CH2COMe	3-SO2NH2-Ph
1229	2-F	CH2COMe	3-SO2NHMe-Ph
1230	2-F	CH2COMe	3-CF3-Ph
1231	2-F	CH2COMe	3-OMe-Ph
1232	2-F	CH2COMe	3-SMe-Ph
1233	2-F	CH2COMe	3-SOMe-Ph
1234	2-F	CH2COMe	3-S02Me-Ph
1235	2-F	CH2COMe	3-OH-Ph
1236	2-F	CH2COMe	3-CH2OH-Ph
1237	2-F	CH2COMe	3-CHOHMe-Ph
1238	2-F	CH2COMe	3-COH (Me) 2-Ph
1239	2-F	CH2COMe	3-Me-Ph
1240	2-F	CH2COMe	3-Et-Ph
1241	2-F	CH2COMe	3-iPr-Ph
1242	2-F	CH2COMe	3-tBu-Ph
1243	2-F	CH2COMe	3-CH2CO2Me-Ph
1244	2-F	CH2COMe	3-(1-piperidinyl)-Ph
1245	2-F	CH2COMe	3-(1-pyrrolidinyl)-Ph
1246	2-F	CH2COMe	3-(2-imidazolyl)-Ph
1247	2-F	CH2COMe	3-(1-imidazoly1)-Ph
1248	2-F	CH2COMe	3-(2-thiazolyl)-Ph
1249	2-F	CH2COMe	3-(3-pyrazolyl)-Ph
1250	2-F	CH2COMe	3-(1-pyrazolyl)-Ph
1251	2-F	CH2COMe	3-(5-Me-1-tetrazolyl)-Ph
1252	2-F	CH2COMe	3-(1-Me-5-tetrazolyl)-Ph
1253	2-F	CH2COMe	3-(2-pyridy1)-Ph
1254	2-F	CH2COMe	3-(2-thienyl)-Ph
1255	2-F	CH2COMe	3-(2-furanyl)-Ph
1256	2-F	CH2COMe	4-CN-Ph
1257	2-F	CH2COMe	4-COMe-Ph
1258	2-F	CH2COMe	4-CO2Me-Ph
1259	2-F	CH2COMe	4-CONH2-Ph
1260	2-F	CH2COMe	4-CONHMe-Ph
1261	2-F	CH2COMe	4-CONHPh-Ph
1262	2-F	CH2COMe	4-F-Ph
1263	2-F	CH2COMe	4-Cl-Ph
1264	2-F	CH2COMe	4-Br-Ph
1265	2-F	CH2COMe	4-SO2NH2-Ph
1266	2-F	CH2COMe	4-SO2NHMe-Ph
1267	2-F	CH2COMe	4-CF3-Ph
1268	2-F	CH2COMe	4-OMe-Ph
1269	2-F	CH2COMe	4-SMe-Ph

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1270	2-F	CH2COMe	4-SOMe-Ph
1271	2-F	CH2COMe	4-SO2Me-Ph
1272	2-F	CH2COMe	4-OH-Ph
1273	2-F	CH2COMe	4-CH2OH-Ph
1274	2-F	CH2COMe	4-CHOHMe-Ph
1275	2-F	CH2COMe	4-COH (Me) 2-Ph
1276	2-F	CH2COMe	4-Me-Ph
1277	2-F	CH2COMe	4-Et-Ph
1278	2-F	CH2COMe	4-iPr-Ph
1279	2-F	CH2COMe	4-tBu-Ph
1280	2-F	CH2COMe	4-CH2CO2Me-Ph
1281	2-F	CH2COMe	4-(1-piperidinyl)-Ph
1282	2-F	CH2COMe	4-(1-pyrrolidinyl)-Ph
1283	2-F	CH2COMe	4-(2-imidazolyl)-Ph
1284	2-F	CH2COMe	4-(1-imidazolyl)-Ph
1285	2-F	CH2COMe	4-(2-thiazolyl)-Ph
1286	2-F	CH2COMe	4-(3-pyrazoly1)-Ph
1287	2-F	CH2COMe	4-(1-pyrazolyl)-Ph
1288	2-F	CH2COMe	4-(5-Me-1-tetrazolyl)-Ph
1289	2-F	CH2COMe	4-(1-Me-5-tetrazolyl)-Ph
1290	2-F	CH2COMe	4-(2-pyridyl)-Ph
1291	2-F	CH2COMe	4-(2-thienyl)-Ph
1292	2-F	CH2COMe	4-(2-furanyl)-Ph
1293	2-F	CH2COMe	2-CN-Ph
1294	2-F	CH2COMe	2-COMe-Ph
1295	2-F	CH2COMe	2-CO2Me-Ph
1296	2-F	CH2COMe	2-CONH2-Ph
1297	2-F	CH2COMe	2-CONHMe-Ph
1298	2-F	CH2COMe	2-F-Ph
1299	2-F	CH2COMe	2-Cl-Ph
1300	2-F	CH2COMe	2-Br-Ph
1301	2-F	CH2COMe	2-SO2NH2-Ph
1302	2-F	CH2COMe	2-SO2NHMe-Ph
1303	2-F	CH2COMe	2-CF3-Ph
1304	2-F	CH2COMe	2-OMe-Ph
1305	2-F	CH2COMe	2-SMe-Ph
1306	2-F	CH2COMe	2-SOMe-Ph
1307	2-F	CH2COMe	2-SO2Me-Ph
1308	2-F	CH2COMe	2-OH-Ph
1309	2-F	CH2COMe	2-CH2OH-Ph
1310	2-F	CH2COMe	2-CHOHMe-Ph
1311	2-F	CH2COMe	2-COH (Me) 2-Ph
1312	2-F	CH2COMe	2-Me-Ph
1313	2-F	CH2COMe	2-Et-Ph
1314	2-F	CH2COMe	2-iPr-Ph
1315	2-F	CH2COMe	2-tBu-Ph
1316	2-F	CH2COMe	2-CH2CO2Me-Ph
1317	2-F	CH2COMe	2-(1-piperidinyl)-Ph
1318	2-F	CH2COMe	2-(1-pyrrolidinyl)-Ph
1319	2-F	CH2COMe	2-(2-imidazolyl)-Ph
1320	2-F	CH2COMe	2-(1-imidazolyl)-Ph
1321	2-F	CH2COMe	2-(2-thiazolyl)-Ph
1322	2-F	CH2COMe	2-(2 thrazory) Th 2-(3-pyrazory) -Ph
1323	2-F 2-F	CH2COMe	2-(3-pyrazoly1)-Ph
1324	2-F	CH2COMe CH2COMe	2-(1-pylazoly1)-Ph 2-(5-Me-1-tetrazoly1)-Ph
1724	<u> </u>	CITACOME	Z-(J-He I Cectazory)-III

1205		CITO COM-	2 /1 Ma E + + + + 1 - 1 \ Dh
1325	2-F	CH2COMe	2-(1-Me-5-tetrazolyl)-Ph
1326	2-F	CH2COMe	2-(2-pyridyl)-Ph
1327	2-F	CH2COMe	2-(2-thienyl)-Ph
1328	2-F	CH2COMe	2-(2-furanyl)-Ph
1329	2-F	CH2COMe	2,4-diF-Ph
1330	2-F	CH2COMe	2,5-diF-Ph
1331	2-F	CH2COMe	2,6-diF-Ph
1332	2-F	CH2COMe	3,4-diF-Ph
1333	2-F	CH2COMe	3,5-diF-Ph
1334	2-F	CH2COMe	2,4-diCl-Ph
1335	2-F	CH2COMe	2,5-diCl-Ph
1336	2-F	CH2COMe	2,6-diCl-Ph
1337	2-F	CH2COMe	3,4-diCl-Ph
1338	2-F	CH2COMe	3,5-diCl-Ph
1339	2-F	CH2COMe	3,4-diCF3-Ph
1340	2-F	CH2COMe	3,5-diCF3-Ph
1341	2-F	CH2COMe	5-C1-2-MeO-Ph
1342	2-F	CH2COMe	5-C1-2-Me-Ph
1343	2-F	CH2COMe	2-F-5-Me-Ph
1344	2-F	CH2COMe	3-F-5-morpholino-Ph
1345	2-F	CH2COMe	3,4-OCH2O-Ph
1346	2-F	CH2COMe	3,4-OCH2CH2O-Ph
1347	2-F	CH2COMe	2-MeO-5-CONH2-Ph
1348	2-F	CH2COMe	2-MeO-4-(1-Me-5-tetrazoly1)-Ph
1349	2-F	CH2COMe	2-MeO-5-(1-Me-5-tetrazoly1)-Ph
1350	2-F	CH2COMe	3-CONH2-5-(1-Me-5-tetrazolyl)-Ph
1351	2-F	CH2COMe	1-naphthyl
1352	2-F	CH2COMe	2-naphthyl
1353	2-F	CH2COMe	2-thienyl
1354	2-F	CH2COMe	3-thienyl
1355	2-F	CH2COMe	2-furanyl
1356	2-F	CH2COMe	3-furany1
1357	2-F	CH2COMe	2-pyridyl
1358	2-F	CH2COMe	3-pyridyl
1359	2-F	CH2COMe	4-pyridyl
1360	2-F	CH2COMe	2-indoly1
1361	2-F	CH2COMe	3-indolyl
1362	2-F 2-F	CH2COMe	5-indoly1
1363	2-F	CH2COMe	6-indolyl
1364	2-F	CH2COMe	3-indazolyl
1365	2-F 2-F		5-indazolyl
1365		CH2COMe	6-indazolyl
	2-F	CH2COMe	2-imidazolyl
1367	2-F	CH2COMe	
1368	2-F	CH2COMe	3-isoxazoyl
1369	2-F	CH2COMe	3-pyrazolyl
1370	2-F	CH2COMe	2-thiadiazolyl
1371	2-F	CH2COMe	2-thiazolyl
1372	2-F	CH2COMe	5-Ac-4-Me-2-thiazolyl
1373	2-F	CH2COMe	5-tetrazolyl
1374	2-F	CH2COMe	2-benzimidazolyl
1375	2-F	CH2COMe	5-benzimidazolyl
1376	2-F	CH2COMe	2-benzothiazolyl
1377	2-F	CH2COMe	5-benzothiazolyl
1378	2-F	CH2COMe	2-benzoxazolyl
1379	2-F	CH2COMe	5-benzoxazolyl

1200	T-2-F	T CITO COMO	1 -2
1380	2-F	CH2COMe	1-adamantyl
1381	2-F	CH2COMe	2-adamantyl
1382	2-F	CH2COMe	i-Pr
1383	2-F	CH2COMe	t-Bu
1384	2-F	CH2COMe	c-Hex
1385	2-F	CH2COMe	CH2CH2OMe
1386	2-F	CH2COMe	CH2CONH2
1387	2-F	CH2COMe	CH2CO2Me
1388	2-F	CH2COMe	CH(CH2Ph)CO2Me
1389	2-F	CH2COMe	CH2CH2NMe2
1390	2-F	CH2COMe	benzyl
1391	2-F	CH2COMe	phenethyl
1392	2-F	CH2COMe	2-(morpholin-1-yl)-Et
1393	3-F	Н	Ph
1394	3-F	Н	3-CN-Ph
1395	3-F	Н	3-COMe-Ph
1396	3-F	H	3-CO2Me-Ph
1397	3-F	H	3-CONH2-Ph
1398	3-F	H	3-CONHZ-FII 3-CONHMe-Ph
1399	3-F	H	3-F-Ph
1400	3-F	H	3-C1-Ph
1401	3-F	H H	3-Br-Ph
	3-F		
1402		H	3-SO2NH2-Ph
1403	3-F	H	3-SO2NHMe-Ph
1404	3-F	H	3-CF3-Ph
1405	3-F	H	3-OMe-Ph
1406	3-F	H	3-SMe-Ph
1407	3-F	H	3-SOMe-Ph
1408	3-F	H	3-SO2Me-Ph
1409	3-F	H	3-OH-Ph
1410	3-F	H	3-CH2OH-Ph
1411	3-F	H	3-CHOHMe-Ph
1412	3-F	H	3-COH(Me)2-Ph
1413	3-F	H	3-Me-Ph
1414	3-F	H	3-Et-Ph
1415	3-F	Н	3-iPr-Ph
1416	3-F	H	3-tBu-Ph
1417	3-F	H	3-CH2CO2Me-Ph
1418	3-F	H	3-(1-piperidinyl)-Ph
1419	3-F	Н	3-(1-pyrrolidinyl)-Ph
1420	3-F	Н	3-(2-imidazolyl)-Ph
1421	3-F	Н	3-(1-imidazolyl)-Ph
1422	3-F	Н	3-(2-thiazolyl)-Ph
1423	3-F	H	3-(3-pyrazolyl)-Ph
1424	3-F	Н	3-(1-pyrazolyl)-Ph
1425	3-F	Н	3-(5-Me-1-tetrazoly1)-Ph
1426	3-F	H	3-(1-Me-5-tetrazoly1)-Ph
1427	3-F	H	3-(2-pyridyl)-Ph
1428	3-F	H	3-(2-thienyl)-Ph
1429	3-F	H H	3-(2-furanyl)-Ph
1430	3-F	H	4-CN-Ph
1431	3-F	H	4-COMe-Ph
1432	3-F	H	4-CO2Me-Ph
1433	3-F	Н	4-CONH2-Ph
1434	3-F	H	4-CONHMe-Ph

1435	2 13	TT	A. COMUDE DE
1435	3-F	<u> </u>	4-CONHPh-Ph
1436	3-F	H	4-F-Ph
1437	3-F	H	4-C1-Ph
1438	3-F	H	4-Br-Ph
1439	3-F	H	4-SO2NH2-Ph
1440	3-F	H	4-SO2NHMe-Ph
1441	3-F	H	4-CF3-Ph
1442	3-F	H	4-OMe-Ph
1443	3-F	Н	4-SMe-Ph
1444	3-F	H	4-SOMe-Ph
1445	3-F	Н	4-SO2Me-Ph
1446	3-F	H	4-OH-Ph
1447	3-F	н	4-CH2OH-Ph
1448	3-F	H	4-CHOHMe-Ph
1449	3-F	H	4-COH (Me) 2-Ph
1450	3-F	H	4-Me-Ph
1451	3-F	H	4-Et-Ph
1452	3-F	H	4-iPr-Ph
1453	3-F	H	4-tBu-Ph
1454	3-F	H	4-CH2CO2Me-Ph
1455	3-F	H	4-(1-piperidinyl)-Ph
1456	3-F	H	4-(1-pyrrolidinyl)-Ph
1457	3-F	H	4-(2-imidazolyl)-Ph
1458	3-F	H	4-(1-imidazolyl)-Ph
1459	3-F	H	4-(2-thiazoly1)-Ph
1460	3-F	H	4-(3-pyrazoly1)-Ph
1461	3-F	H	4-(1-pyrazolyl)-Ph
1462	3-F	H	4-(5-Me-1-tetrazoly1)-Ph
1463	3-F	H	4-(1-Me-5-tetrazoly1)-Ph
1464	3-F	H	4-(2-pyridy1)-Ph
1465	3-F	H	4-(2-thienyl)-Ph
1466	3-F	H	4-(2-furanyl)-Ph
	3-F	H	2-CN-Ph
1467			
1468	3-F	H	2-COMe-Ph
1469	3-F	H	2-CO2Me-Ph
1470	3-F	H	2-CONH2-Ph
1471	3-F	H	2-CONHMe-Ph
1472	3-F	H	2-F-Ph
1473	3-F	H	2-C1-Ph
1474	3-F	H	2-Br-Ph
1475	3-F	H	2-SO2NH2-Ph
1476	3-F	H	2-SO2NHMe-Ph
1477	3-F	Н	2-CF3-Ph
1478	3-F	H	2-OMe-Ph
1479	3-F	H	2-SMe-Ph
1480	3-F	H	2-SOMe-Ph
	3-F	H	2-S0Me-Ph
1481			
1482	3-F	H	2-OH-Ph
1483	3-F	H	2-CH2OH-Ph
1484	3-F	H	2-CHOHMe-Ph
1485	3-F	H	2-COH (Me) 2-Ph
1486	3-F	H	2-Me-Ph
1487	3-F	H	2-Et-Ph
1488	3-F	Н	2-iPr-Ph
1489	3-F	Н	2-tBu-Ph
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1490	3-F	H	2-CH2CO2Me-Ph
1491	3-F	H	2-(1-piperidinyl)-Ph
1492	3-F	<u>H</u>	2-(1-pyrrolidinyl)-Ph
1493	3-F	H	2-(2-imidazolyl)-Ph
1494	3-F	H	2-(1-imidazolyl)-Ph
1495	3-F	H	2-(2-thiazolyl)-Ph
1496	3-F	H	2-(3-pyrazolyl)-Ph
1497	3-F	H	2-(1-pyrazolyl)-Ph
1498	3-F	H	2-(5-Me-1-tetrazolyl)-Ph
1499	3-F	H	2-(1-Me-5-tetrazolyl)-Ph
1500	3-F	H	2-(2-pyridyl)-Ph
1501	3-F	H	2-(2-thienyl)-Ph
1502	3-F	H	2-(2-furanyl)-Ph
1503	3-F	H	2,4-diF-Ph
1504	3-F	H	2,5-diF-Ph
1505	3-F	H	2,6-diF-Ph
1506	3-F	H	3,4-diF-Ph
1507	3-F	H	3,5-diF-Ph
1508	3-F	H	2,4-diCl-Ph
1509	3-F	H	2,5-diCl-Ph
1510	3-F	H	2,6-diCl-Ph
1511	3-F	H	3,4-diCl-Ph
1512	3-F	H	3,5-diCl-Ph
1513	3-F	H	3,4-diCF3-Ph
1514	3-F	H	3,5-diCF3-Ph
1515	3-F	H	5-C1-2-MeO-Ph
1516	3-F	H	5-C1-2-Me-Ph
1517	3-F	H	2-F-5-Me-Ph
1518	3-F	H	3-F-5-morpholino-Ph
1519	3-F	H	3,4-OCH2O-Ph
1520	3-F	H	3,4-OCH2CH2O-Ph
1521	3-F	<u> Н</u>	2-MeO-5-CONH2-Ph
1522	3-F	H	2-MeO-4-(1-Me-5-tetrazolyl)-Ph
1523	3-F	H	2-MeO-5-(1-Me-5-tetrazoly1)-Ph
1524	3-F	<u>н</u>	3-CONH2-5-(1-Me-5-tetrazoly1)-Ph
1525	3-F	<u>н</u>	1-naphthyl
1525	3-F	H	2-naphthyl
1527	3-F	H	2-Haphthy1 2-thienyl
1527		<u>н</u> Н	3-thienyl
1529	3-F 3-F	<u> </u>	2-furanyl
1530	3-F	<u>н</u> Н	3-furanyl
1530	3-F 3-F	<u>н</u> Н	2-pyridyl
1532	3-F	<u>H</u>	3-pyridyl
1533	3-F	<u>H</u>	4-pyridyl
1534	3-F	<u>H</u>	2-indolyl
1535	3-F	<u>H</u>	3-indolyl
1536	3-F	H	5-indolyl
1537	3-F	H	6-indolyl
1538	3-F	H	3-indazolyl
1539	3-F	H	5-indazolyl
1540	3-F	<u> </u>	6-indazolyl
1541	3-F	<u>H</u>	2-imidazolyl
1542	3-F	H	3-isoxazoyl
1543 1544	3-F	H	3-pyrazolyl
	3-F	H	2-thiadiazolyl

1545	3-F	H	2-thiazolyl
1546	3-F	H	5-Ac-4-Me-2-thiazolyl
1547	3-F	Н	5-tetrazolyl
1548	3-F	Н	2-benzimidazolyl
1549	3-F	Н	5-benzimidazolyl
1550	3-F	Н	2-benzothiazolyl
1551	3-F	Н	5-benzothiazolyl
1552	3-F	H	2-benzoxazoly1
1553	3-F	H	5-benzoxazolyl
1554	3-F	H	1-adamantyl
1555	3-F	H	2-adamantyl
1556	3-F	H	i-Pr
1557			t-Bu
	3-F	H	
1558	3-F	H	c-Hex
1559	3-F	H	CH2CH2OMe
1560	3-F	H	CH2CONH2
1561	3-F	H	CH2CO2Me
1562	3-F	H	CH (CH2Ph) CO2Me
1563	3-F	H	CH2CH2NMe2
1564	3-F	H	benzyl
1565	3-F	H	phenethyl
1566	3-F	Н	2-(morpholin-1-yl)-Et
1567	3-F	Me	Ph
1568	3-F	Me	3-CN-Ph
1569	3-F	Me	3-COMe-Ph
1570	3-F	Me	3-CO2Me-Ph
1571	3-F	Me	3-CONH2-Ph
1572	3-F	Me	3-CONHMe-Ph
1573	3-F	Me	3-F-Ph
1574	3-F	Me	3-C1-Ph
1575	3-F	Me	3-Br-Ph
1576	3-F	Me	3-SO2NH2-Ph
1577	3-F	Me	3-SO2NHMe-Ph
1578	3-F	Me	3-CF3-Ph
1579	3-F	Me Me	3-OMe-Ph
	3-F		3-SMe-Ph
1580		Me	
1581	3-F	Me	3-SOMe-Ph
1582	3-F	Me	3-SO2Me-Ph
1583	3-F	Me	3-OH-Ph
1584	3-F	Me	3-CH2OH-Ph
1585	3-F	Me	3-CHOHMe-Ph
1586	3-F	Me	3-COH (Me) 2-Ph
1587	3-F	Me	3-Me-Ph
1588	3-F	Me	3-Et-Ph
1589	3-F	Me	3-iPr-Ph
1590	3-F	Me	3-tBu-Ph
1591	3-F	Me	3-CH2CO2Me-Ph
1592	3-F	Me	3-(1-piperidinyl)-Ph
1593	3-F	Me	3-(1-pyrrolidinyl)-Ph
1594	3-F	Me	3-(2-imidazoly1)-Ph
1595	3-F	Me	3-(1-imidazoly1)-Ph
1596	3-F	Me	3-(2-thiazolyl)-Ph
1597	3-F	Me Me	3-(2-thrazoly1)-Ph
1598	3-F		
		Me	3-(1-pyrazoly1)-Ph
1599	3-F	Me	3-(5-Me-1-tetrazoly1)-Ph

1600	3-F	Me	3-(1-Me-5-tetrazolyl)-Ph
1601	3-F	Me	3-(2-pyridyl)-Ph
1602	3-F	Me	3-(2-thienyl)-Ph
1603	3-F	Me	3-(2-furanyl)-Ph
1604	3-F	_ Me	4-CN-Ph
1605	3-F	Me	4-COMe-Ph
1606	3-F	Me	4-CO2Me-Ph
1607	3-F	Me	4-CONH2-Ph
1608	3-F	Me	4-CONHMe-Ph
1609	3-F	Me	4-CONHPh-Ph
1610	3-F	Me	4~F-Ph
1611	3-F	Me	4-Cl-Ph
1612	3-F	Me	4-Br-Ph
1613	3-F	Me	4-SO2NH2-Ph
	3-F	Me Me	4-SO2NHMe-Ph
1614			4-SOZNAME-FII 4-CF3-Ph
1615	3-F	Me	
1616	3-F	Me	4-OMe-Ph
1617	3-F	Me	4-SMe-Ph
1618	3-F	Me	4-SOMe-Ph
1619	3-F	Me	4-SO2Me-Ph
1620	3-F	Me	4-OH-Ph
1621	3-F	Me	4-CH2OH-Ph
1622	3-F	Me	4-CHOHMe-Ph
1623	3-F	Me	4-COH(Me)2-Ph
1624	3-F	Me	4-Me-Ph
1625	3-F	Me	4-Et-Ph
1626	3-F	Me	4-iPr-Ph
1627	3-F	Me	4-tBu-Ph
1628	3-F	Me	4-CH2CO2Me-Ph
1629	3-F	Me	4-(1-piperidinyl)-Ph
1630	3-F	Me	4-(1-pyrrolidiny1)-Ph
1631	3-F	Me	4-(2-imidazoly1)-Ph
1632	3-F	Me	4-(1-imidazolyl)-Ph
1633	3-F	Me	4-(2-thiazolyl)-Ph
1634	3-F	Me Me	4-(3-pyrazoly1)-Ph
	3-F		
1635		Me	4-(1-pyrazoly1)-Ph
1636	3-F	Me	4-(5-Me-1-tetrazolyl)-Ph
1637	3-F	Me	4-(1-Me-5-tetrazolyl)-Ph
1638	3-F	Me	4-(2-pyridyl)-Ph
1639	3-F	Me	4-(2-thienyl)-Ph
1640	3-F	Me	4-(2-furany1)-Ph
1641	3-F	Me	2-CN-Ph
1642	3-F	Me	2-COMe-Ph
1643	3-F	Me	2-CO2Me-Ph
1644	3-F	Me	2-CONH2-Ph
1645	3-F	Me	2-CONHMe-Ph
1646	3-F	Me	2-F-Ph
1647	3-F	Me	2-Cl-Ph
1648	3-F	Me	2-Br-Ph
1649	3-F	Me	2-SO2NH2-Ph
1650	3-F	Me Me	2-SO2NHMe-Ph
1651	3-F	Me Me	2-CF3-Ph
1652	3-F	Me Me	2-CF3-FH 2-OMe-Ph
1653	3-F	Me	2-SMe-Ph
1654	3-F	Me	2-SOMe-Ph

1655   3-F   Me   2-OM-Ph   1657   3-F   Me   2-CH-Ph   1658   3-F   Me   2-CHOHME-Ph   1659   3-F   Me   2-CHOHME-Ph   1660   3-F   Me   2-EH-Ph   1660   3-F   Me   2-EH-Ph   1661   3-F   Me   2-EH-Ph   1662   3-F   Me   2-EH-Ph   1662   3-F   Me   2-EH-Ph   1663   3-F   Me   2-CH2OME-Ph   1664   3-F   Me   2-CH2OME-Ph   1665   3-F   Me   2-CH2OME-Ph   1665   3-F   Me   2-(1-pyrrolidinyl)-Ph   1667   3-F   Me   2-(1-pyrrolidinyl)-Ph   1667   3-F   Me   2-(1-inidazolyl)-Ph   1668   3-F   Me   2-(1-inidazolyl)-Ph   1669   3-F   Me   2-(2-thiazolyl)-Ph   1670   3-F   Me   2-(3-pyrazolyl)-Ph   1671   3-F   Me   2-(1-pyrrolyl)-Ph   1672   3-F   Me   2-(1-Me-5-tetrazolyl)-Ph   1673   3-F   Me   2-(1-Me-5-tetrazolyl)-Ph   1674   3-F   Me   2-(2-pyridyl)-Ph   1675   3-F   Me   2-(2-pyridyl)-Ph   1676   3-F   Me   2-(2-pyridyl)-Ph   1677   3-F   Me   2-(2-pyridyl)-Ph   1678   3-F   Me   2-(2-pyridyl)-Ph   1679   3-F   Me   2-(3-pyridyl)-Ph   1679   3-F   Me   2-(4-diF-Ph   1680   3-F   Me   2-(5-diF-Ph   1680   3-F   Me   2-(5-diF-Ph   1681   3-F   Me   3-(5-diF-Ph   1682   3-F   Me   3-(5-diF-Ph   1683   3-F   Me   3-(5-diF-Ph   1684   3-F   Me   3-(5-diF-Ph   1685   3-F   Me   3-(5-diF-Ph   1686   3-F   Me   3-(5-diF-Ph   1696   3-F				<del></del>
1657   3-F   Me	1655	3-F	Me	2-SO2Me-Ph
1658   3-F   Me	1656		Me	
1659   3-F   Me   2-COH (Me) 2-Ph   1660   3-F   Me   2-Et-Ph   1661   3-F   Me   2-Et-Ph   1662   3-F   Me   2-IPT-Ph   1663   3-F   Me   2-IPT-Ph   1664   3-F   Me   2-LBU-Ph   1665   3-F   Me   2-(1-piperidinyl)-Ph   1666   3-F   Me   2-(1-piperidinyl)-Ph   1666   3-F   Me   2-(2-imidazolyl)-Ph   1667   3-F   Me   2-(2-imidazolyl)-Ph   1668   3-F   Me   2-(2-imidazolyl)-Ph   1669   3-F   Me   2-(1-imidazolyl)-Ph   1670   3-F   Me   2-(1-imidazolyl)-Ph   1671   3-F   Me   2-(1-pyrazolyl)-Ph   1672   3-F   Me   2-(1-pyrazolyl)-Ph   1673   3-F   Me   2-(1-pyrazolyl)-Ph   1674   3-F   Me   2-(1-Me-5-tetrazolyl)-Ph   1675   3-F   Me   2-(2-pyridyl)-Ph   1676   3-F   Me   2-(2-pyridyl)-Ph   1677   3-F   Me   2-(2-furanyl)-Ph   1676   3-F   Me   2-(2-furanyl)-Ph   1677   3-F   Me   2-(2-furanyl)-Ph   1678   3-F   Me   2-(4-diF-Ph   1679   3-F   Me   2-(4-diF-Ph   1679   3-F   Me   2-(4-diF-Ph   1680   3-F   Me   2-(5-diF-Ph   1681   3-F   Me   3-(5-diF-Ph   1682   3-F   Me   3-(5-diF-Ph   1683   3-F   Me   3-(5-diF-Ph   1683   3-F   Me   3-(5-diF-Ph   1683   3-F   Me   3-(5-diCl-Ph   1684   3-F   Me   3-(5-diCl-Ph   1695   3-F   Me   3-(5-diCl-Ph   1696   3-F   Me   3-(5-diCl-Ph   1697   3-F   Me   3-(5-diCl-Ph   1699   3-F   Me   3-(5-	1657	3~F	Me	2-CH2OH-Ph
1660	1658		Me	2-CHOHMe-Ph
1661   3-F   Me	1659	3-F	Me	2-COH (Me) 2-Ph
1661   3-F   Me	1660	3-F	Me	2-Me-Ph
1662   3-F   Me				
1663   3-F   Me				
1664   3-F   Me   2-CH2CO2Me-Ph   1665   3-F   Me   2-(1-piperidinyl)-Ph   1666   3-F   Me   2-(1-piperidinyl)-Ph   1667   3-F   Me   2-(2-imidazolyl)-Ph   1668   3-F   Me   2-(2-imidazolyl)-Ph   1669   3-F   Me   2-(2-thiazolyl)-Ph   1670   3-F   Me   2-(3-pyrazolyl)-Ph   1670   3-F   Me   2-(3-pyrazolyl)-Ph   1671   3-F   Me   2-(1-pyrazolyl)-Ph   1673   3-F   Me   2-(1-Me-5-tetrazolyl)-Ph   1673   3-F   Me   2-(1-Me-5-tetrazolyl)-Ph   1673   3-F   Me   2-(2-thienyl)-Ph   1675   3-F   Me   2-(2-thienyl)-Ph   1676   3-F   Me   2-(2-thienyl)-Ph   1677   3-F   Me   2-(2-thienyl)-Ph   1678   3-F   Me   2-(3-thienyl)-Ph   1679   3-F   Me   2-(3-thienyl)-Ph   1679   3-F   Me   2-(3-thienyl)-Ph   1680   3-F   Me   3-(3-tif-Ph   1681   3-F   Me   3-(3-tif-Ph   1682   3-F   Me   3-(3-tif-Ph   1683   3-F   Me   3-(3-tif-Ph   1683   3-F   Me   3-(3-tif-Ph   1684   3-F   Me   3-(3-tif-Ph   1685   3-F   Me   3-(3-tif-Ph   1685   3-F   Me   3-(3-tif-Ph   1686   3-F   Me   3-(3-tif-Ph   1686   3-F   Me   3-(3-tif-Ph   1688   3-F   Me   3-(3-tif-Ph   1688   3-F   Me   3-(3-tif-Ph   1691   3-F   Me   3-(3-tif-Ph   1691   3-F   Me   3-(3-tif-Ph   1691   3-F   Me   3-(3-tif-Ph   1691   3-F   Me   3-(3-tif-Ph   1693   3-F   Me   3-(3-tif-Ph   1694   3-F   Me   3-(3-tif-Ph   1694   3-F   Me   3-(3-tif-Ph   1695   3-F   Me   3-(3-tif-Ph   1694   3-F   Me   3-(3-tif-Ph   1695   3-F   Me   3-(3-tif-Ph   1696   3-F   Me   3-(3-tif-Ph   1697   3-F   Me   3-(3-tif-Ph   1698   3-F   Me   2-MeO-5-(0-MH-Ph   1698   3-F   Me   2-MeO-5-(0-MH-Ph   1699   3-F   Me   2-				
1665   3-F   Me   2-(1-piperidinyl)-Ph   1666   3-F   Me   2-(1-pyrrolidinyl)-Ph   1667   3-F   Me   2-(2-imidazolyl)-Ph   1668   3-F   Me   2-(2-imidazolyl)-Ph   1669   3-F   Me   2-(3-pyrazolyl)-Ph   1670   3-F   Me   2-(3-pyrazolyl)-Ph   1671   3-F   Me   2-(5-Me-1-tetrazolyl)-Ph   1671   3-F   Me   2-(5-Me-1-tetrazolyl)-Ph   1672   3-F   Me   2-(1-me-5-tetrazolyl)-Ph   1673   3-F   Me   2-(2-pyridyl)-Ph   1674   3-F   Me   2-(2-pyridyl)-Ph   1675   3-F   Me   2-(2-pyridyl)-Ph   1676   3-F   Me   2-(2-thienyl)-Ph   1677   3-F   Me   2-(2-thienyl)-Ph   1678   3-F   Me   2,5-diF-Ph   1679   3-F   Me   2,5-diF-Ph   1681   3-F   Me   3,4-diF-Ph   1681   3-F   Me   3,5-diF-Ph   1682   3-F   Me   3,5-diCl-Ph   1683   3-F   Me   2,5-diCl-Ph   1684   3-F   Me   2,6-diCl-Ph   1685   3-F   Me   3,4-diCF3-Ph   1686   3-F   Me   3,4-diCF3-Ph   1687   3-F   Me   3,4-diCF3-Ph   1689   3-F   Me   3,4-diCF3-Ph   1690   3-F   Me   3-F-5-morpholino-Ph   1693   3-F   Me   3-F-5-morpholino-Ph   1699   3-F   Me   2-MeO-5-(0)MI2-Ph   16				
1666   3-F   Me				
1667   3-F   Me				
1668   3-F   Me				
1669   3-F   Me				
1670   3-F   Me				
1671   3-F   Me				
1672   3-F   Me				
1673   3-F   Me				
1674         3-F         Me         2-(2-pyridyl)-Ph           1675         3-F         Me         2-(2-thienyl)-Ph           1676         3-F         Me         2-(2-furanyl)-Ph           1677         3-F         Me         2,4-diF-Ph           1678         3-F         Me         2,5-diF-Ph           1679         3-F         Me         2,5-diF-Ph           1680         3-F         Me         3,4-diF-Ph           1681         3-F         Me         3,5-diC1-Ph           1682         3-F         Me         2,5-diC1-Ph           1683         3-F         Me         2,5-diC1-Ph           1684         3-F         Me         2,5-diC1-Ph           1685         3-F         Me         2,5-diC1-Ph           1686         3-F         Me         2,5-diC1-Ph           1687         3-F         Me         3,4-diC1-Ph           1688         3-F         Me         3,5-diC1-Ph           1689         3-F         Me         3,5-diC1-Ph           1689         3-F         Me         3,5-diC1-Ph           1689         3-F         Me         3,5-diC1-Ph           1689				
1675   3-F   Me   2-(2-thienyl)-Ph   1676   3-F   Me   2-(2-furanyl)-Ph   1677   3-F   Me   2,4-diF-Ph   1678   3-F   Me   2,5-diF-Ph   1679   3-F   Me   2,6-diF-Ph   1680   3-F   Me   3,4-diF-Ph   1681   3-F   Me   3,5-diF-Ph   1682   3-F   Me   2,5-diCl-Ph   1683   3-F   Me   2,5-diCl-Ph   1684   3-F   Me   2,5-diCl-Ph   1685   3-F   Me   2,5-diCl-Ph   1686   3-F   Me   3,4-diCF3-Ph   1687   3-F   Me   3,4-diCF3-Ph   1688   3-F   Me   3,5-diCF3-Ph   1689   3-F   Me   3,5-diCF3-Ph   1690   3-F   Me   3,5-diCF3-Ph   1691   3-F   Me   3-F-5-morpholino-Ph   1692   3-F   Me   3-F-5-morpholino-Ph   1694   3-F   Me   3,4-OCH2O-Ph   1695   3-F   Me   3,4-OCH2O-Ph   1695   3-F   Me   3,4-OCH2O-Ph   1695   3-F   Me   3,4-OCH2O-Ph   1695   3-F   Me   3-MOCH2O-Ph   1696   3-F   Me   2-MeO-5-CONH2-Ph   1697   3-F   Me   2-MeO-5-CONH2-Ph   1698   3-F   Me   2-MeO-5-(1-Me-5-tetrazolyl)-Ph   1699   3-F   Me   2-MeO-5-(1-Me-5-tetrazolyl)-Ph   1699   3-F   Me   3-CONH2-5-(1-Me-5-tetrazolyl)-Ph   1699   3-F   Me   2-maphthyl   1700   3-F   Me   3-CONH2-5-(1-Me-5-tetrazolyl)-Ph   1700   3-F				
1676   3-F   Me				
1677         3-F         Me         2,4-diF-Ph           1678         3-F         Me         2,5-diF-Ph           1679         3-F         Me         2,6-diF-Ph           1680         3-F         Me         3,4-diF-Ph           1681         3-F         Me         3,5-diF-Ph           1682         3-F         Me         2,4-diCl-Ph           1683         3-F         Me         2,5-diCl-Ph           1684         3-F         Me         2,6-diCl-Ph           1685         3-F         Me         3,4-diCF3-Ph           1686         3-F         Me         3,5-diCl-Ph           1687         3-F         Me         3,5-diCF3-Ph           1688         3-F         Me         3,5-diCF3-Ph           1689         3-F         Me         3,5-diCF3-Ph           1689         3-F         Me         3,5-diCF3-Ph           1689         3-F         Me         3,5-diCF3-Ph           1689         3-F         Me         3,5-diCF3-Ph           1690         3-F         Me         3,5-diCF3-Ph           1691         3-F         Me         3,5-diCP3-Ph           1692 <td< td=""><td></td><td></td><td></td><td></td></td<>				
1678         3-F         Me         2,5-diF-Ph           1679         3-F         Me         2,6-diF-Ph           1680         3-F         Me         3,4-diF-Ph           1681         3-F         Me         3,5-diF-Ph           1682         3-F         Me         2,4-diCl-Ph           1683         3-F         Me         2,5-diCl-Ph           1684         3-F         Me         2,6-diCl-Ph           1685         3-F         Me         3,4-diCF3-Ph           1686         3-F         Me         3,5-diCF3-Ph           1687         3-F         Me         3,5-diCF3-Ph           1689         3-F         Me         3,5-diCF3-Ph           1699         3-F         Me         3,5-diCF3-Ph           1699         3-F         Me         3-F-OCP-DPh           1699         <				
1679         3-F         Me         2,6-diF-Ph           1680         3-F         Me         3,4-diF-Ph           1681         3-F         Me         3,5-diF-Ph           1682         3-F         Me         2,4-diCl-Ph           1683         3-F         Me         2,5-diCl-Ph           1684         3-F         Me         3,4-diCl-Ph           1685         3-F         Me         3,4-diCl-Ph           1686         3-F         Me         3,5-diCl-Ph           1687         3-F         Me         3,5-diCF3-Ph           1688         3-F         Me         3,5-diCF3-Ph           1689         3-F         Me         3,5-diCF3-Ph           1689         3-F         Me         3,5-diCF3-Ph           1690         3-F         Me         3,5-diCF3-Ph           1689         3-F         Me         3,5-diCF3-Ph           1690         3-F         Me         2-F-5-Me-Ph           1691         3-F         Me         2-F-5-Me-Ph           1692         3-F         Me         3-F-5-morpholino-Ph           1693         3-F         Me         3,4-OCH2CH2O-Ph           1694				
1680         3-F         Me         3,4-dif-Ph           1681         3-F         Me         3,5-dif-Ph           1682         3-F         Me         2,4-diCl-Ph           1683         3-F         Me         2,5-diCl-Ph           1684         3-F         Me         2,6-diCl-Ph           1685         3-F         Me         3,4-diCl-Ph           1686         3-F         Me         3,5-diCl-Ph           1687         3-F         Me         3,5-diCf3-Ph           1688         3-F         Me         3,5-diCf3-Ph           1689         3-F         Me         5-C1-2-MeO-Ph           1690         3-F         Me         2-F-5-MeO-Ph           1691         3-F         Me         3-F-5-morpholino-Ph           1693         3-F         Me         3,4-OCH2O-Ph           1695         3-F         Me         2-MeO-5-CONH2-Ph           1695	1678		Me	2,5-diF-Ph
1681         3-F         Me         3,5-diF-Ph           1682         3-F         Me         2,4-diCl-Ph           1683         3-F         Me         2,5-diCl-Ph           1684         3-F         Me         2,6-diCl-Ph           1685         3-F         Me         3,4-diCl-Ph           1686         3-F         Me         3,5-diCF3-Ph           1687         3-F         Me         3,5-diCF3-Ph           1688         3-F         Me         3,5-diCF3-Ph           1689         3-F         Me         3,5-diCF3-Ph           1690         3-F         Me         2-F-5-Me-Ph           1691         3-F         Me         3-F-1-2-Me-Ph           1692         3-F         Me         3-F-5-morpholino-Ph           1693         3-F         Me         3,4-OCH2O-Ph           1694         3-F         Me         2-MeO-5-CONH2-Ph           16	1679		_ Me	
1682         3-F         Me         2,4-dicl-Ph           1683         3-F         Me         2,5-dicl-Ph           1684         3-F         Me         2,6-dicl-Ph           1685         3-F         Me         3,4-dicl-Ph           1686         3-F         Me         3,5-dicl-Ph           1687         3-F         Me         3,5-dicF3-Ph           1688         3-F         Me         3,5-dicF3-Ph           1689         3-F         Me         3,5-dicF3-Ph           1689         3-F         Me         3,5-dicF3-Ph           1689         3-F         Me         3,5-dicF3-Ph           1689         3-F         Me         2-F5-Me-Ph           1690         3-F         Me         2-F5-Me-Ph           1691         3-F         Me         3-F-5-Me-Ph           1692         3-F         Me         3,4-OCH2O-Ph           1693         3-F         Me         3,4-OCH2CH2O-Ph           1694         3-F         Me         2-MeO-5-CONH2-Ph           1695         3-F         Me         2-MeO-5-(1-Me-5-tetrazoly1)-Ph           1696         3-F         Me         3-CONH2-5-(1-Me-5-tetrazoly1)-Ph	1680		Me	3,4-diF-Ph
1683         3-F         Me         2,5-diCl-Ph           1684         3-F         Me         2,6-diCl-Ph           1685         3-F         Me         3,4-diCl-Ph           1686         3-F         Me         3,5-diCl-Ph           1687         3-F         Me         3,4-diCF3-Ph           1688         3-F         Me         3,5-diCF3-Ph           1689         3-F         Me         5-Cl-2-MeO-Ph           1690         3-F         Me         2-F-5-MeO-Ph           1691         3-F         Me         3-F-5-morpholino-Ph           1693         3-F         Me         3,4-OCH2O-Ph           1694         3-F         Me         2-MeO-5-CONH2-Ph           1695         3-F         Me         2-MeO-5-CONH2-Ph           1696         3-F         Me         2-MeO-5-(1-Me-5-tetrazolyl)-Ph           1697         3-F         Me         3-CONH2-5-(1-Me-5-tetrazol	1681	3-F	Me	3,5-diF-Ph
1684         3-F         Me         2,6-diCl-Ph           1685         3-F         Me         3,4-diCl-Ph           1686         3-F         Me         3,5-diCl-Ph           1687         3-F         Me         3,5-diCf3-Ph           1688         3-F         Me         3,5-diCf3-Ph           1689         3-F         Me         5-C1-2-Me-O-Ph           1690         3-F         Me         2-F-5-Me-Ph           1691         3-F         Me         3-F-5-morpholino-Ph           1693         3-F         Me         3,4-OCH2O-Ph           1694         3-F         Me         2-MeO-5-CONH2-Ph           1695         3-F         Me         2-MeO-5-CONH2-Ph           1696         3-F         Me         2-MeO-5-(1-Me-5-tetrazoly1)-Ph           1697         3-F         Me         3-CONH2-5-(1-Me-5-tetrazoly1)-Ph           1698         3-F         Me         2-nap	1682		Me	
1685         3-F         Me         3,4-diCl-Ph           1686         3-F         Me         3,5-diCl-Ph           1687         3-F         Me         3,4-diCF3-Ph           1688         3-F         Me         3,5-diCF3-Ph           1689         3-F         Me         3-cl-2-MeO-Ph           1690         3-F         Me         5-Cl-2-MeO-Ph           1691         3-F         Me         2-F-5-Me-Ph           1692         3-F         Me         3-F-5-morpholino-Ph           1693         3-F         Me         3,4-OCH2O-Ph           1694         3-F         Me         3,4-OCH2O-Ph           1695         3-F         Me         2-MeO-5-CONH2-Ph           1696         3-F         Me         2-MeO-5-(1-Me-5-tetrazoly1)-Ph           1697         3-F         Me         3-CONH2-5-(1-Me-5-tetrazoly1)-Ph           1698         3-F         Me         3-CONH2-5-(1-Me-5-tetrazoly1)-Ph           1699         3-F         Me         2-naphthyl           1701         3-F         Me         2-thienyl           1702         3-F         Me         3-thienyl           1704         3-F         Me	1683	3-F	Me	2,5-diCl-Ph
1686         3-F         Me         3,5-diC1-Ph           1687         3-F         Me         3,4-diCF3-Ph           1688         3-F         Me         3,5-diCF3-Ph           1689         3-F         Me         5-C1-2-MeO-Ph           1690         3-F         Me         2-F-5-Me-Ph           1691         3-F         Me         3-F-5-morpholino-Ph           1692         3-F         Me         3,4-OCH2O-Ph           1693         3-F         Me         3,4-OCH2CH2O-Ph           1694         3-F         Me         2-MeO-5-CONH2-Ph           1695         3-F         Me         2-MeO-5-CONH2-Ph           1696         3-F         Me         2-MeO-5-(1-Me-5-tetrazoly1)-Ph           1697         3-F         Me         3-CONH2-5-(1-Me-5-tetrazoly1)-Ph           1698         3-F         Me         3-CONH2-5-(1-Me-5-tetrazoly1)-Ph           1699         3-F         Me         2-naphthyl           1700         3-F         Me         2-naphthyl           1701         3-F         Me         3-thienyl           1703         3-F         Me         2-furanyl           1705         3-F         Me	1684	3-F	Me	2,6-diCl-Ph
1686         3-F         Me         3,5-diC1-Ph           1687         3-F         Me         3,4-diCF3-Ph           1688         3-F         Me         3,5-diCF3-Ph           1689         3-F         Me         5-C1-2-MeO-Ph           1690         3-F         Me         2-F-5-Me-Ph           1691         3-F         Me         3-F-5-morpholino-Ph           1692         3-F         Me         3,4-OCH2O-Ph           1693         3-F         Me         3,4-OCH2CH2O-Ph           1694         3-F         Me         2-MeO-5-CONH2-Ph           1695         3-F         Me         2-MeO-5-CONH2-Ph           1696         3-F         Me         2-MeO-5-(1-Me-5-tetrazoly1)-Ph           1697         3-F         Me         3-CONH2-5-(1-Me-5-tetrazoly1)-Ph           1698         3-F         Me         3-CONH2-5-(1-Me-5-tetrazoly1)-Ph           1699         3-F         Me         2-naphthyl           1700         3-F         Me         2-naphthyl           1701         3-F         Me         3-thienyl           1703         3-F         Me         2-furanyl           1705         3-F         Me	1685	3-F	Me	3,4-diCl-Ph
1687         3-F         Me         3,4-diCF3-Ph           1688         3-F         Me         3,5-diCF3-Ph           1689         3-F         Me         5-C1-2-MeO-Ph           1690         3-F         Me         5-C1-2-Me-Ph           1691         3-F         Me         2-F-5-Me-Ph           1692         3-F         Me         3,4-OCH2O-Ph           1693         3-F         Me         3,4-OCH2CH2O-Ph           1694         3-F         Me         2-MeO-5-CONH2-Ph           1695         3-F         Me         2-MeO-5-CONH2-Ph           1696         3-F         Me         2-MeO-5-(1-Me-5-tetrazoly1)-Ph           1697         3-F         Me         3-CONH2-5-(1-Me-5-tetrazoly1)-Ph           1698         3-F         Me         1-naphthy1           1700         3-F         Me         2-naphthy1           1701         3-F         Me         2-thieny1           1702         3-F         Me         3-thieny1           1703         3-F         Me         3-furany1           1705         3-F         Me         3-pyridy1           1706         3-F         Me         3-pyridy1 <td></td> <td>3-F</td> <td>Me</td> <td>3,5-diCl-Ph</td>		3-F	Me	3,5-diCl-Ph
1688         3-F         Me         3,5-dicF3-Ph           1689         3-F         Me         5-C1-2-MeO-Ph           1690         3-F         Me         5-C1-2-Me-Ph           1691         3-F         Me         2-F-5-Me-Ph           1692         3-F         Me         3-F-5-morpholino-Ph           1693         3-F         Me         3,4-OCH2O-Ph           1694         3-F         Me         2-MeO-5-CONH2-Ph           1695         3-F         Me         2-MeO-5-CONH2-Ph           1696         3-F         Me         2-MeO-5-(1-Me-5-tetrazoly1)-Ph           1697         3-F         Me         3-CONH2-5-(1-Me-5-tetrazoly1)-Ph           1698         3-F         Me         3-CONH2-5-(1-Me-5-tetrazoly1)-Ph           1699         3-F         Me         1-naphthyl           1700         3-F         Me         2-naphthyl           1701         3-F         Me         2-thienyl           1703         3-F         Me         3-thienyl           1704         3-F         Me         3-furanyl           1705         3-F         Me         3-pyridyl           1706         3-F         Me <td< td=""><td></td><td></td><td>Me</td><td>3,4-diCF3-Ph</td></td<>			Me	3,4-diCF3-Ph
1689         3-F         Me         5-C1-2-MeO-Ph           1690         3-F         Me         5-C1-2-Me-Ph           1691         3-F         Me         2-F-5-Me-Ph           1692         3-F         Me         3-F-5-morpholino-Ph           1693         3-F         Me         3,4-OCH2O-Ph           1694         3-F         Me         2-MeO-5-CONH2-Ph           1695         3-F         Me         2-MeO-5-CONH2-Ph           1696         3-F         Me         2-MeO-5-(1-Me-5-tetrazoly1)-Ph           1697         3-F         Me         3-CONH2-5-(1-Me-5-tetrazoly1)-Ph           1698         3-F         Me         3-CONH2-5-(1-Me-5-tetrazoly1)-Ph           1699         3-F         Me         1-naphthy1           1700         3-F         Me         2-naphthy1           1701         3-F         Me         2-thieny1           1703         3-F         Me         3-thieny1           1704         3-F         Me         2-pyridy1           1705         3-F         Me         3-pyridy1           1706         3-F         Me         4-pyridy1           1708         3-F         Me         2-				
1690         3-F         Me         5-Cl-2-Me-Ph           1691         3-F         Me         2-F-5-Me-Ph           1692         3-F         Me         3-F-5-morpholino-Ph           1693         3-F         Me         3,4-OCH2O-Ph           1694         3-F         Me         2-MeO-5-CONH2-Ph           1695         3-F         Me         2-MeO-5-CONH2-Ph           1696         3-F         Me         2-MeO-5-(1-Me-5-tetrazolyl)-Ph           1697         3-F         Me         3-CONH2-5-(1-Me-5-tetrazolyl)-Ph           1698         3-F         Me         1-naphthyl           1700         3-F         Me         2-naphthyl           1701         3-F         Me         2-thienyl           1702         3-F         Me         3-thienyl           1703         3-F         Me         3-furanyl           1704         3-F         Me         3-furanyl           1705         3-F         Me         3-pyridyl           1707         3-F         Me         4-pyridyl           1708         3-F         Me         2-indolyl				
1691         3-F         Me         2-F-5-Me-Ph           1692         3-F         Me         3-F-5-morpholino-Ph           1693         3-F         Me         3,4-OCH2O-Ph           1694         3-F         Me         2-MeO-5-CONH2-Ph           1695         3-F         Me         2-MeO-5-CONH2-Ph           1696         3-F         Me         2-MeO-4-(1-Me-5-tetrazolyl)-Ph           1697         3-F         Me         3-CONH2-5-(1-Me-5-tetrazolyl)-Ph           1698         3-F         Me         1-naphthyl           1700         3-F         Me         2-naphthyl           1701         3-F         Me         2-thienyl           1702         3-F         Me         3-thienyl           1703         3-F         Me         3-furanyl           1704         3-F         Me         3-furanyl           1705         3-F         Me         3-pyridyl           1707         3-F         Me         4-pyridyl           1708         3-F         Me         2-indolyl				
1692         3-F         Me         3-F-5-morpholino-Ph           1693         3-F         Me         3,4-OCH2O-Ph           1694         3-F         Me         3,4-OCH2CH2O-Ph           1695         3-F         Me         2-MeO-5-CONH2-Ph           1696         3-F         Me         2-MeO-4-(1-Me-5-tetrazolyl)-Ph           1697         3-F         Me         3-CONH2-5-(1-Me-5-tetrazolyl)-Ph           1698         3-F         Me         3-CONH2-5-(1-Me-5-tetrazolyl)-Ph           1699         3-F         Me         1-naphthyl           1700         3-F         Me         2-naphthyl           1701         3-F         Me         2-thienyl           1702         3-F         Me         3-thienyl           1703         3-F         Me         3-furanyl           1704         3-F         Me         3-furanyl           1705         3-F         Me         3-pyridyl           1706         3-F         Me         3-pyridyl           1708         3-F         Me         4-pyridyl           1708         3-F         Me         2-indolyl				
1693         3-F         Me         3,4-OCH2O-Ph           1694         3-F         Me         3,4-OCH2CH2O-Ph           1695         3-F         Me         2-MeO-5-CONH2-Ph           1696         3-F         Me         2-MeO-4-(1-Me-5-tetrazolyl)-Ph           1697         3-F         Me         2-MeO-5-(1-Me-5-tetrazolyl)-Ph           1698         3-F         Me         3-CONH2-5-(1-Me-5-tetrazolyl)-Ph           1699         3-F         Me         1-naphthyl           1700         3-F         Me         2-naphthyl           1701         3-F         Me         2-thienyl           1702         3-F         Me         3-thienyl           1703         3-F         Me         3-furanyl           1704         3-F         Me         3-furanyl           1705         3-F         Me         3-pyridyl           1707         3-F         Me         4-pyridyl           1708         3-F         Me         2-indolyl				
1694         3-F         Me         3,4-OCH2CH2O-Ph           1695         3-F         Me         2-MeO-5-CONH2-Ph           1696         3-F         Me         2-MeO-4-(1-Me-5-tetrazoly1)-Ph           1697         3-F         Me         2-MeO-5-(1-Me-5-tetrazoly1)-Ph           1698         3-F         Me         3-CONH2-5-(1-Me-5-tetrazoly1)-Ph           1699         3-F         Me         1-naphthyl           1700         3-F         Me         2-naphthyl           1701         3-F         Me         2-thienyl           1702         3-F         Me         3-thienyl           1703         3-F         Me         3-furanyl           1704         3-F         Me         3-furanyl           1705         3-F         Me         3-pyridyl           1707         3-F         Me         4-pyridyl           1708         3-F         Me         2-indolyl				
1695         3-F         Me         2-MeO-5-CONH2-Ph           1696         3-F         Me         2-MeO-4-(1-Me-5-tetrazolyl)-Ph           1697         3-F         Me         2-MeO-5-(1-Me-5-tetrazolyl)-Ph           1698         3-F         Me         3-CONH2-5-(1-Me-5-tetrazolyl)-Ph           1699         3-F         Me         1-naphthyl           1700         3-F         Me         2-naphthyl           1701         3-F         Me         3-thienyl           1702         3-F         Me         3-thienyl           1703         3-F         Me         3-furanyl           1704         3-F         Me         3-pyridyl           1705         3-F         Me         3-pyridyl           1707         3-F         Me         4-pyridyl           1708         3-F         Me         2-indolyl				3.4-OCH2CH2O-Ph
1696         3-F         Me         2-MeO-4-(1-Me-5-tetrazolyl)-Ph           1697         3-F         Me         2-MeO-5-(1-Me-5-tetrazolyl)-Ph           1698         3-F         Me         3-CONH2-5-(1-Me-5-tetrazolyl)-Ph           1699         3-F         Me         1-naphthyl           1700         3-F         Me         2-naphthyl           1701         3-F         Me         2-thienyl           1702         3-F         Me         3-thienyl           1703         3-F         Me         3-furanyl           1704         3-F         Me         2-pyridyl           1705         3-F         Me         3-pyridyl           1707         3-F         Me         4-pyridyl           1708         3-F         Me         2-indolyl				
1697         3-F         Me         2-MeO-5-(1-Me-5-tetrazolyl)-Ph           1698         3-F         Me         3-CONH2-5-(1-Me-5-tetrazolyl)-Ph           1699         3-F         Me         1-naphthyl           1700         3-F         Me         2-naphthyl           1701         3-F         Me         2-thienyl           1702         3-F         Me         3-thienyl           1703         3-F         Me         2-furanyl           1704         3-F         Me         3-furanyl           1705         3-F         Me         3-pyridyl           1707         3-F         Me         4-pyridyl           1708         3-F         Me         2-indolyl				
1698         3-F         Me         3-CONH2-5-(1-Me-5-tetrazolyl)-Ph           1699         3-F         Me         1-naphthyl           1700         3-F         Me         2-naphthyl           1701         3-F         Me         2-thienyl           1702         3-F         Me         3-thienyl           1703         3-F         Me         2-furanyl           1704         3-F         Me         3-furanyl           1705         3-F         Me         2-pyridyl           1706         3-F         Me         3-pyridyl           1707         3-F         Me         4-pyridyl           1708         3-F         Me         2-indolyl				
1699       3-F       Me       1-naphthyl         1700       3-F       Me       2-naphthyl         1701       3-F       Me       2-thienyl         1702       3-F       Me       3-thienyl         1703       3-F       Me       2-furanyl         1704       3-F       Me       3-furanyl         1705       3-F       Me       2-pyridyl         1706       3-F       Me       3-pyridyl         1707       3-F       Me       4-pyridyl         1708       3-F       Me       2-indolyl				
1700       3-F       Me       2-naphthyl         1701       3-F       Me       2-thienyl         1702       3-F       Me       3-thienyl         1703       3-F       Me       2-furanyl         1704       3-F       Me       3-furanyl         1705       3-F       Me       2-pyridyl         1706       3-F       Me       3-pyridyl         1707       3-F       Me       4-pyridyl         1708       3-F       Me       2-indolyl				
1701       3-F       Me       2-thienyl         1702       3-F       Me       3-thienyl         1703       3-F       Me       2-furanyl         1704       3-F       Me       3-furanyl         1705       3-F       Me       2-pyridyl         1706       3-F       Me       3-pyridyl         1707       3-F       Me       4-pyridyl         1708       3-F       Me       2-indolyl				
1702     3-F     Me     3-thienyl       1703     3-F     Me     2-furanyl       1704     3-F     Me     3-furanyl       1705     3-F     Me     2-pyridyl       1706     3-F     Me     3-pyridyl       1707     3-F     Me     4-pyridyl       1708     3-F     Me     2-indolyl				
1703     3-F     Me     2-furanyl       1704     3-F     Me     3-furanyl       1705     3-F     Me     2-pyridyl       1706     3-F     Me     3-pyridyl       1707     3-F     Me     4-pyridyl       1708     3-F     Me     2-indolyl				
1704     3-F     Me     3-furanyl       1705     3-F     Me     2-pyridyl       1706     3-F     Me     3-pyridyl       1707     3-F     Me     4-pyridyl       1708     3-F     Me     2-indolyl				
1705       3-F       Me       2-pyridyl         1706       3-F       Me       3-pyridyl         1707       3-F       Me       4-pyridyl         1708       3-F       Me       2-indolyl				
1706       3-F       Me       3-pyridyl         1707       3-F       Me       4-pyridyl         1708       3-F       Me       2-indolyl				
1707 3-F Me 4-pyridyl 1708 3-F Me 2-indolyl				
1708 3-F Me 2-indoly1				
1709   3-F   Me   3-indoly1				
	1709	3-F	Me	3-indoly1

1710	3-F	Me	5-indoly1
1711	3-F	Me	6-indoly1
1712	3-F	Me	3-indazolyl
1713	3-F	Me	5-indazolyl
1714	3-F	Me	6-indazolyl
1715	3-F	Me	2-imidazolyl
1716	3-F	Me	3-isoxazoyl
1717	3-F	Me	3-pyrazolyl
1718	3-F	Me	2-thiadiazolyl
1719	3-F	Me	2-thiazolyl
1720	3-F	Me	5-Ac-4-Me-2-thiazolyl
1721	3-F	Me	5-tetrazolyl
1722	3-F	Me	2-benzimidazolyl
1723	3-F	Me	5-benzimidazolyl
1724	3-F	Me _	2-benzothiazolyl
1725	3-F	Me	5-benzothiazolyl
1726	3-F	Me	2-benzoxazolyl
1727	3-F	Me	5-benzoxazolyl
1728	3-F	Me	1-adamanty1
1729	3-F	Me	2-adamantyl
1730	3-F	Me	i-Pr
1731	3-F	Me	t-Bu
		Me	c-Hex
1732	3-F		
1733	3-F	Me	CH2CH2OMe
1734	3-F	Me	CH2CONH2
1735	3-F	Me	CH2CO2Me
1736	3-F	Me	CH(CH2Ph)CO2Me
1737	3-F	Me	CH2CH2NMe2
1738	3-F	Me	benzyl
1739	3-F	Me	phenethy1
1740	3-F	Me	2-(morpholin-1-yl)-Et
1741	3-F	2-F-Et	Ph
1742	3-F	2-F-Et	3-CN-Ph
1743	3-F	2-F-Et	3-COMe-Ph
1744	3-F	2-F-Et	3-CO2Me-Ph
1745	3-F	2-F-Et	3-CONH2-Ph
1746	3-F	2-F-Et	3-CONHMe-Ph
1747	3-F	2-F-Et	3-F-Ph
1748	3-F	2-F-Et	3-C1-Ph
	3-F		3-Br-Ph
1749		2-F-Et	
1750	3-F	2-F-Et	3-SO2NH2-Ph
1751	3-F	2-F-Et	3-SO2NHMe-Ph
1752	3-F	2-F-Et	3-CF3-Ph
1753	3-F	2-F-Et	3-OMe-Ph
1754	3-F	2-F-Et_	3-SMe-Ph_
1755	3-F	2-F-Et	3-SOMe-Ph
1756	3-F	2-F-Et	3-SO2Me-Ph
1757	3-F	2-F-Et	3-OH-Ph
1757	3-F		3-OH-Ph 3-CH2OH-Ph
1757 1758	3-F 3-F	2-F-Et	3-CH2OH-Ph
1757 1758 1759	3-F 3-F 3-F	2-F-Et 2-F-Et	3-CH2OH-Ph 3-CHOHMe-Ph
1757 1758 1759 1760	3-F 3-F 3-F 3-F	2-F-Et 2-F-Et 2-F-Et	3-CH2OH-Ph 3-CHOHMe-Ph 3-COH(Me)2-Ph
1757 1758 1759 1760 1761	3-F 3-F 3-F 3-F 3-F	2-F-Et 2-F-Et 2-F-Et 2-F-Et	3-CH2OH-Ph 3-CHOHMe-Ph 3-COH(Me)2-Ph 3-Me-Ph
1757 1758 1759 1760 1761 1762	3-F 3-F 3-F 3-F 3-F 3-F	2-F-Et 2-F-Et 2-F-Et 2-F-Et 2-F-Et	3-CH2OH-Ph 3-CHOHMe-Ph 3-COH(Me)2-Ph 3-Me-Ph 3-Et-Ph
1757 1758 1759 1760 1761	3-F 3-F 3-F 3-F 3-F	2-F-Et 2-F-Et 2-F-Et 2-F-Et	3-CH2OH-Ph 3-CHOHMe-Ph 3-COH(Me)2-Ph 3-Me-Ph

1565	T 2 =		2 011200011 71
1765	3-F	2-F-Et	3-CH2CO2Me-Ph
1766	3-F	2-F-Et	3-(1-piperidinyl)-Ph
1767	3-F	2-F-Et	3-(1-pyrrolidinyl)-Ph
1768	3-F	2-F-Et	3-(2-imidazolyl)-Ph
1769	3-F	2-F-Et	3-(1-imidazolyl)-Ph
1770	3-F	2-F-Et	3-(2-thiazolyl)-Ph
1771	3-F	2-F-Et	3-(3-pyrazoly1)-Ph
1772	3-F	2-F-Et	3-(1-pyrazolyl)-Ph
1773	3-F	2-F-Et	3-(5-Me-1-tetrazolyl)-Ph
1774	3-F	2-F-Et	3-(1-Me-5-tetrazolyl)-Ph
1775	3-F	2-F-Et	3-(2-pyridyl)-Ph
1776	3-F	2-F-Et	3-(2-thienyl)-Ph
1777	3-F	2-F-Et	3-(2-furanyl)-Ph
1778	3-F	2-F-Et	4-CN-Ph
1779	3-F	2-F-Et	4-COMe-Ph
1780	3-F	2-F-Et	4-CO2Me-Ph
1781	3-F	2-F-Et	4-CONH2-Ph
1782	3-F	2-F-Et	4-CONHZ-FII 4-CONHMe-Ph
			<u> </u>
1783	3-F	2-F-Et	4-CONHPh-Ph
1784	3-F	2-F-Et	4-F-Ph
1785	3-F	2-F-Et	4-C1-Ph
1786	3-F	2-F-Et	4-Br-Ph
1787	3-F	2-F-Et	4-SO2NH2-Ph
1788	3-F	2-F-Et	4-SO2NHMe-Ph
1789	3-F	2-F-Et	4-CF3-Ph
1790	3-F	2-F-Et	4-OMe-Ph
1791	3-F	2-F-Et	4-SMe-Ph
1792	3-F	2-F-Et	4-SOMe-Ph
			<del></del>
1793	3-F	2-F-Et	4-S02Me-Ph
1794	3-F	2-F-Et	4-OH-Ph
1795	3-F	2-F-Et	4-CH2OH-Ph
1796	3-F	2-F-Et	4-CHOHMe-Ph
1797	3-F	2-F-Et	4-COH (Me) 2-Ph
1798	3-F	2-F-Et	4-Me-Ph
1799	3-F	2-F-Et	4-Et-Ph
1800	3-F	2-F-Et	4-iPr-Ph
1801	3-F	2-F-Et	4-tBu-Ph
1802	3-F	2-F-Et	4-CH2CO2Me-Ph
1802	3-F	2-F-Et	4-(1-piperidinyl)-Ph
	3-F	2-F-Et	4-(1-pyrrolidinyl)-Ph
1804			
1805	3-F	2-F-Et	4-(2-imidazoly1)-Ph
1806	3-F	2-F-Et	4-(1-imidazolyl)-Ph
1807	3-F	2-F-Et	4-(2-thiazolyl)-Ph
1808	3-F	2-F-Et	4-(3-pyrazolyl)-Ph
1809	3-F	2-F-Et	4-(1-pyrazolyl)-Ph
1810	3-F	2-F-Et	4-(5-Me-1-tetrazolyl)-Ph
1811	3-F	2-F-Et	4-(1-Me-5-tetrazoly1)-Ph
1812	3-F	2-F-Et	4-(2-pyridy1)-Ph
1813	3-F	2-F-Et	4-(2-thieny1)-Ph
1814	3-F	2-F-Et	4-(2-furanyl)-Ph
	3-F		
1815		2-F-Et	2-CN-Ph
1816	3-F	2-F-Et	2-COMe-Ph
1817	3-F	2-F-Et	2-CO2Me-Ph
1818	3-F	2-F-Et	2-CONH2-Ph
1819	3-F	2-F-Et	2-CONHMe-Ph

1820	3-F	2-F-Et	2-F-Ph
1821	3-F	2-F-Et	2-C1-Ph
1822	3-F	2-F-Et	2-Br-Ph
1823	3-F	2-F-Et	2-SO2NH2-Ph
1824	3-F	2-F-Et	2-SO2NHMe-Ph
1825	3-F	2-F-Et	2-CF3-Ph
1826	3-F	2-F-Et	2-OMe-Ph
1827	3-F	2-F-Et	2-SMe-Ph
1828	3-F	2-F-Et	2-SOMe-Ph
1829	3-F	2-F-Et	2-SO2Me-Ph
1830	3-F	2-F-Et	2-OH-Ph
1831	3-F	2-F-Et	2-CH2OH-Ph
1832	3-F	2-F-Et	2-CHOHMe-Ph
1833	3-F	2-F-Et	2-COH (Me) 2-Ph
1834	3-F	2-F-Et	2-Me-Ph
1835	3-F	2-F-Et	2-Et-Ph
1836	3-F	2-F-Et	2-iPr-Ph
1837	3-F	2-F-Et	2-tBu-Ph
1838	3-F	2-F-Et	2-CH2CO2Me-Ph
1839	3-F	2-F-Et	2-(1-piperidiny1)-Ph
1840	3-F	2-F-Et	2-(1-pyrrolidinyl)-Ph
1841	3-F	2-F-Et	2-(2-imidazolyl)-Ph
1842	3-F	2-F-Et	2-(1-imidazolyl)-Ph
1843	3-F	2-F-Et	2-(2-thiazolyl)-Ph
1844	3-F	2-F-Et	2-(3-pyrazolyl)-Ph
1845	3-F	2-F-Et	2-(1-pyrazolyl)-Ph
1846	3-F	2-F-Et	2-(5-Me-1-tetrazoly1)-Ph
1847	3-F	2-F-Et	2-(1-Me-5-tetrazoly1)-Ph
1848	3-F	2-F-Et	2-(2-pyridyl)-Ph
1849	3-F	2-F-Et	2-(2-thienyl)-Ph
1850	3-F	2-F-Et	2-(2-threny1)-Fh 2-(2-furany1)-Ph
	3-F	2-F-Et	2,4-diF-Ph
1851		2-F-Et 2-F-Et	2,4-dir-Ph 2,5-dir-Ph
1852	3-F		
1853	3-F	2-F-Et	2,6-diF-Ph
1854	3-F	2-F-Et	3,4-diF-Ph
1855	3-F	2-F-Et	3,5-diF-Ph
1856	3-F	2-F-Et	2,4-diCl-Ph
1857	3-F	2-F-Et	2,5-diCl-Ph
1858	3-F	2-F-Et	2,6-diCl-Ph
1859	3-F	2-F-Et	3,4-diCl-Ph
1860	3-F	2-F-Et	3,5-diCl-Ph
1861	3-F	2-F-Et	3,4-diCF3-Ph
1862	3-F	2-F-Et	3,5-diCF3-Ph
1863	3-F	2-F-Et	5-C1-2-MeO-Ph
1864	3-F	2-F-Et	5-C1-2-Me-Ph
1865	3-F	2-F-Et	2-F-5-Me-Ph
1866	3-F	2-F-Et	3-F-5-morpholino-Ph
1867	3-F	2-F-Et	3,4-OCH2O-Ph
			3,4-0CH2O-Ph
1868	3-F	2-F-Et	
1869	3-F	2-F-Et_	2-MeO-5-CONH2-Ph
1870	3-F	2-F-Et	2-MeO-4-(1-Me-5-tetrazolyl)-Ph
1871	3-F	2-F-Et	2-MeO-5-(1-Me-5-tetrazolyl)-Ph
1872	3-F	2-F-Et	3-CONH2-5-(1-Me-5-tetrazolyl)-Ph
1873	3-F	2-F-Et	1-naphthyl
1874	3-F	2-F-Et	2-naphthyl

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1875	3-F	2-F-Et_	2-thienyl
1876	3-F	2-F-Et	3-thienyl
1877	3-F	2-F-Et	2-furanyl
1878	3-F	2-F-Et	3-furanyl
1879	3-F	2-F-Et	2-pyridyl
1880	3-F	2-F-Et	3-pyridyl
1881	3-F	2-F-Et	4-pyridyl
1882	3-F	2-F-Et	2-indoly1
1883	3-F	2-F-Et	3-indolyl
1884	3-F	2-F-Et	5-indolyl
1885	3-F	2-F-Et	6-indolyl
1886	3-F	2-F-Et	3-indazolyl
1887	3-F	2-F-Et	5-indazolyl
	3-F	2-F-Et	6-indazolyl
1888	3-F		2-imidazolyl
1889		2-F-Et	
1890	3-F	2-F-Et	3-isoxazoyl
1891	3-F	2-F-Et	3-pyrazolyl
1892	3-F	2-F-Et	2-thiadiazolyl
1893	3-F	2-F-Et	2-thiazolyl
1894	3-F	2-F-Et	5-Ac-4-Me-2-thiazolyl
1895	3-F	2-F-Et	5-tetrazolyl
1896	3-F	2-F-Et	2-benzimidazolyl
1897	3-F	2-F-Et	5-benzimidazolyl
1898	3-F	2-F-Et	2-benzothiazolyl
1899	3-F	2-F-Et	5-benzothiazolyl
1900	3-F	2-F-Et	2-benzoxazolyl
1901	3-F	2-F-Et	5-benzoxazolyl
1902	3-F	2-F-Et	1-adamantyl
1903	3-F	2-F-Et	2-adamantyl
1904	3-F	2-F-Et	i-Pr
1905	3-F	2-F-Et	t-Bu
1906	3-F	2-F-Et	c-Hex
1907	3-F	2-F-Et	CH2CH2OMe
1908	3-F	2-F-Et	CH2CONH2
1909	3-F	2-F-Et	CH2CO2Me
1910	3-F	2-F-Et	CH(CH2Ph)CO2Me
1911	3-F	2-F-Et	CH2CH2NMe2
1912	3-F	2-F-Et	benzyl
1913	3-F	2-F-Et	phenethyl
1914	3-F	2-F-Et	2-(morpholin-1-yl)-Et
1915	3-F	CO2Me	Ph
1916	3-F	CO2Me	3-CN-Ph
1917	3-F	CO2Me	3-COMe-Ph
	3-F	CO2Me	3-COME-Ph
1918	3-F		3-CONH2-Ph
1919		CO2Me	3-CONH2-PH 3-CONHMe-Ph
1920	3-F	CO2Me	
1921	3-F	CO2Me	3-F-Ph
1922	3-F	CO2Me	3-C1-Ph
1923	3-F	CO2Me	3-Br-Ph
1924	3-F	CO2Me	3-SO2NH2-Ph
1925	3-F	CO2Me	3-SO2NHMe-Ph
1926	3-F	CO2Me	3-CF3-Ph
1927	3-F	CO2Me	3-OMe-Ph
1928	3-F	CO2Me	3-SMe-Ph
1929	3-F	CO2Me	3-SOMe-Ph
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1930	3-F	CO2Me	3-SO2Me-Ph
1931	3-F	CO2Me_	3-OH-Ph
1932	3-F	CO2Me	3-CH2OH-Ph
1933	3-F	CO2Me	3-CHOHMe-Ph
1934	3-F	CO2Me	3-COH(Me)2-Ph
1935	3-F	CO2Me	3-Me-Ph
1936	3-F	CO2Me	3-Et-Ph
1937	3-F	CO2Me	3-iPr-Ph
1938	3-F	CO2Me	3-tBu-Ph
1939	3-F	CO2Me	3-CH2CO2Me-Ph
1940	3-F	CO2Me	3-(1-piperidinyl)-Ph
1941	3-F	CO2Me	3-(1-pyrrolidinyl)-Ph
1942	3-F	CO2Me	3-(2-imidazolyl)-Ph
1943	3-F	CO2Me	3-(1-imidazoly1)-Ph
1944	3-F	CO2Me	3-(2-thiazoly1)-Ph
1945	3-F	CO2Me	3-(3-pyrazolyl)-Ph
1946	3-F	CO2Me	3-(1-pyrazolyl)-Ph
1947	3-F	CO2Me	3-(5-Me-1-tetrazolyl)-Ph
1948	3-F	CO2Me	3-(1-Me-5-tetrazolyl)-Ph
1949	3-F	CO2Me	3-(2-pyridy1)-Ph
1950	3-F	CO2Me	3-(2-thieny1)-Ph
1951	3-F	CO2Me	3-(2-furany1)-Ph
1952	3-F	CO2Me	4-CN-Ph
1953	3-F	CO2Me	4-COMe-Ph
1954	3-F	CO2Me	4-CO2Me-Ph
1955	3-F	CO2Me	4-CONH2-Ph
1956	3-F	CO2Me	4-CONHMe-Ph
1957	3-F	CO2Me	4-CONHPh-Ph
1958	3-F	CO2Me	4-F-Ph
1959	3-F	CO2Me	4-C1-Ph
1960	3-F	CO2Me	4-Br-Ph
1961	3-F	CO2Me	4-SO2NH2-Ph
1962	3-F	CO2Me	4-SO2NHMe-Ph
1963	3-F	CO2Me	4-CF3-Ph
1964	3-F	CO2Me	4-OMe-Ph
1965	3-F	CO2Me	4-SMe-Ph
1966	3-F	CO2Me	4-SOMe-Ph
1967	3-F	CO2Me	4-SO2Me-Ph
1968	3-F	CO2Me	4-OH-Ph
1969	3-F	CO2Me	4-CH2OH-Ph
1970	3-F	CO2Me	4-CHOHMe-Ph
			4-COH (Me) 2-Ph
1971	3-F	CO2Me	
1972	3-F	CO2Me	4-Me-Ph
1973	3-F	CO2Me	4-Et-Ph
1974	3-F	CO2Me	4-iPr-Ph
1975	3-F	CO2Me	4-tBu-Ph
1976	3-F	CO2Me	4-CH2CO2Me-Ph
1977	3-F	CO2Me	4-(1-piperidinyl)-Ph
1978	3-F	CO2Me	4-(1-pyrrolidinyl)-Ph
1979	3-F	CO2Me_	4-(2-imidazoly1)-Ph
1980	3-F	CO2Me	4-(1-imidazolyl)-Ph
1981	3-F	CO2Me	4-(2-thiazolyl)-Ph
1982	3-F	CO2Me	4-(3-pyrazolyl)-Ph
1983	3-F	CO2Me	4-(1-pyrazolyl)-Ph
1984	3-F	CO2Me	4-(5-Me-1-tetrazolyl)-Ph
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1985	3-F	CO2Me	4-(1-Me-5-tetrazolyl)-Ph
1986	3-F	CO2Me	4-(2-pyridyl)-Ph
1987	3-F	CO2Me	4-(2-thienyl)-Ph
1988	3-F	CO2Me	4-(2-furanyl)-Ph
1989	3-F	CO2Me	2-CN-Ph
1990	3-F	CO2Me	2-COMe-Ph
1991	3-F	CO2Me	2-CO2Me-Ph
1992	3-F	CO2Me	2-CONH2-Ph
1993	3-F	CO2Me	2-CONHMe-Ph
1994	3-F	CO2Me	2-F-Ph
1995	3-F	CO2Me	2-C1-Ph
1996	3-F	CO2Me	2-Br-Ph
1997	3-F	CO2Me	2-SO2NH2-Ph
1998	3-F	CO2Me	2-SO2NHMe-Ph
1999	3-F	CO2Me	2-CF3-Ph
2000	3-F	CO2Me	2-OMe-Ph
2001	3-F	CO2Me	2-SMe-Ph
2002	3-F	CO2Me	2-SOMe-Ph
2003	3-F	CO2Me	2-SO2Me-Ph
2004	3-F	CO2Me	2-OH-Ph
2005	3-F	CO2Me	2-CH2OH-Ph
2006	3-F	CO2Me	2-CHOHMe-Ph
2007	3-F	CO2Me	2-COH (Me) 2-Ph
2008	3-F	CO2Me	2-Me-Ph
2009	3-F	CO2Me	2-Et-Ph
2010	3-F	CO2Me	2-iPr-Ph
2011	3-F	CO2Me	2-tBu-Ph
2012	3-F	CO2Me	2-CH2CO2Me-Ph
2013	3-F	CO2Me	2-(1-piperidinyl)-Ph
2014	3-F	CO2Me	2-(1-pyrrolidinyl)-Ph
2015	3-F	CO2Me	2-(2-imidazoly1)-Ph
2016	3-F	CO2Me	2-(1-imidazoly1)-Ph
2017	3-F	CO2Me	2-(2-thiazolyl)-Ph
2018	3-F	CO2Me	2-(3-pyrazolyl)-Ph
2019	3-F	CO2Me	2-(1-pyrazolyl)-Ph
2020	3-F	CO2Me	2-(5-Me-1-tetrazoly1)-Ph
2021	3-F	CO2Me	2-(1-Me-5-tetrazoly1)-Ph
2022	3-F	CO2Me	2-(2-pyridy1)-Ph
2023	3-F	CO2Me	2-(2-thieny1)-Ph
2024	3-F	CO2Me	2-(2-furany1)-Ph
2025	3-F	CO2Me	2,4-diF-Ph
2026	3-F	CO2Me	2,5-diF-Ph
2027	3-F	CO2Me	2,6-diF-Ph
2028	3-F	CO2Me	3,4-diF-Ph
2029	3-F	CO2Me	3,5-diF-Ph
2030	3-F	CO2Me	2,4-diCl-Ph
2030	3-F	CO2Me	2,4-dic1-Fh 2,5-diC1-Ph
2031	3-F	CO2Me	2,6-diCl-Ph
2032	3-F	CO2Me	3,4-diC1-Ph
2034		CO2Me	3,4-dic1-Ph 3,5-dic1-Ph
2034	3-F 3-F	CO2Me	3,4-diCF3-Ph
2036	3-F	CO2Me CO2Me	3,4-dicr3-Ph 3,5-diCF3-Ph
	3-F		5-C1-2-MeO-Ph
2037		CO2Me	5-C1-2-MeO-Ph 5-C1-2-Me-Ph
2038	3-F	CO2Me	
2039	3-F	CO2Me	2-F-5-Me-Ph

2040	3-F	CO2Me	3-F-5-morpholino-Ph
2041	3-F	CO2Me	3,4-OCH2O-Ph
2042	3-F	CO2Me	3,4-OCH2CH2O-Ph
2043	3-F	CO2Me	2-MeO-5-CONH2-Ph
2044	3-F	CO2Me	2-MeO-4-(1-Me-5-tetrazolyl)-Ph
2045	3-F	CO2Me	2-MeO-5-(1-Me-5-tetrazolyl)-Ph
2046	3-F	CO2Me	3-CONH2-5-(1-Me-5-tetrazolyl)-Ph
2047	3-F	CO2Me	1-naphthyl
2048	3-F	CO2Me	2-naphthyl
2049	3-F	CO2Me	2-thienyl
2050	3-F	CO2Me	3-thienyl
2051	3-F	CO2Me	2-furany1
2052	3-F	CO2Me	3-furany1
2053	3-F	CO2Me	2-pyridy1
2054	3-F	CO2Me	3-pyridy1
2055	3-F	CO2Me	4-pyridy1
2056	3-F	CO2Me	2-indoly1
2057	3-F	CO2Me	3-indoly1
2058	3-F	CO2Me	5-indoly1
2059	3-F	CO2Me	6-indolyl
2060	3-F	CO2Me	3-indazolyl
2061	3-F	CO2Me	5-indazolyl
2062	3-F	CO2Me	6-indazolyl
2063	3-F	CO2Me	2-imidazolyl
2064	3-F	CO2Me	3-isoxazoyl
2065	3-F	CO2Me	3-pyrazolyl
2066	3-F	CO2Me	2-thiadiazolyl
2067	3-F	CO2Me	2-thiazolyl
2068	3-F	CO2Me	5-Ac-4-Me-2-thiazolyl
2069	3-F	CO2Me	5-tetrazolyl
2070	3-F	CO2Me	2-benzimidazolyl
2071	3-F	CO2Me	5-benzimidazolyl
2072	3-F	CO2Me	2-benzothiazolyl
2073	3-F	CO2Me	5-benzothiazolyl
2074	3-F	CO2Me	2-benzoxazoly1
2075	3-F	CO2Me	5-benzoxazolyl
2076	3-F	CO2Me	1-adamantyl
2077	3-F	CO2Me	2-adamantyl
2078	3-F	CO2Me	i-Pr
2079	3-F	CO2Me	t-Bu
2079	3-F	CO2Me	c-Hex
2080	3-F	CO2Me	CH2CH2OMe
2082	3-F	CO2Me	CH2CH2OMe CH2CONH2
2082	3-F	CO2Me	CH2CONH2 CH2CO2Me
2084	3-F	CO2Me CO2Me	CH2CO2Me CH (CH2Ph) CO2Me
	3-F		CH2CH2NMe2
2085	3-F	CO2Me	benzyl
2086	<del></del>	CO2Me	
2087	3-F	CO2Me	phenethyl
2088	3-F	CO2Me	2-(morpholin-1-yl)-Et
2089	3-F	Ac	Ph
2090	3-F	Ac	3-CN-Ph
2091	3-F	Ac	3-COMe-Ph
2092	3-F	Ac	3-CO2Me-Ph
2093	3-F	Ac	3-CONH2-Ph
2094	3-F	Ac	3-CONHMe-Ph

2095	3-F	Ac	3-F-Ph
2096	3-F	Ac	3-C1-Ph
2097	3-F	Ac	3-Br-Ph
2098	3-F	Ac	3-SO2NH2-Ph
2099	3-F	Ac	3-SO2NHMe-Ph
2100	3-F	AC	3-CF3-Ph
2101	3-F	<del></del>	3-OMe-Ph
		Ac	
2102	3-F	Ac	3-SMe-Ph
2103	3-F	Ac	3-SOMe-Ph
2104	3-F	Ac	3-SO2Me-Ph
2105	3-F	Ac	3-OH-Ph
2106	3-F	Ac	3-CH2OH-Ph
2107	3-F	Ac	3-CHOHMe-Ph
2108	3-F	Ac	3-COH(Me)2-Ph
2109	3-F	Ac	3-Me-Ph
2110	3-F	Ac	3-Et-Ph
2111	3-F	AC	3-iPr-Ph
	3-F		3-tFu-Fh 3-tBu-Ph
2112		Ac	
2113	3-F	Ac	3-CH2CO2Me-Ph
2114	3-F	Ac	3-(1-piperidinyl)-Ph
2115	3-F	Ac	3-(1-pyrrolidinyl)-Ph
2116	3-F	Ac	3-(2-imidazolyl)-Ph
2117	3-F	Ac	3-(1-imidazolyl)-Ph
2118	3-F	Ac	3-(2-thiazolyl)-Ph
2119	3-F	Ac	3-(3-pyrazoly1)-Ph
2120	3-F	Ac	3-(1-pyrazolyl)-Ph
2121	3-F	Ac	3-(5-Me-1-tetrazoly1)-Ph
2122	3-F	Ac	3-(1-Me-5-tetrazoly1)-Ph
	3-F		
2123		Ac	3-(2-pyridy1)-Ph
2124	3-F	Ac	3-(2-thienyl)-Ph
2125	3-F	Ac	3-(2-furanyl)-Ph
2126	3-F	Ac	4-CN-Ph
2127	3-F	Ac	4-COMe-Ph
2128	3-F	Ac	4-CO2Me-Ph
2129	3-F	Ac	4-CONH2-Ph
2130	3-F	Ac	4-CONHMe-Ph
2131	3-F	Ac	4-CONHPh-Ph
2132	3-F	Ac	4-F-Ph
2133	3-F	Ac	4-Cl-Ph
2134	3-F	Ac	4-Br-Ph
2135	3-F	AC	4-SO2NH2-Ph
	3-F		4-SO2NH2-FH 4-SO2NHMe-Ph
2136		Ac	
2137	3-F	Ac	4-CF3-Ph
2138	3-F	Ac	4-OMe-Ph
2139	3-F	Ac	4-SMe-Ph
2140	3-F	Ac	4-SOMe-Ph
2141	3-F	Ac	4-SO2Me-Ph
2142	3-F	Ac	4-OH-Ph
2143	3-F	Ac	4-CH2OH-Ph
2144	3-F	Ac	4-CHOHMe-Ph
2145	3-F	Ac	4-COH(Me)2-Ph
2146	3-F	Ac	4-Me-Ph
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2147	3-F	Ac	4-Et-Ph
	3-F 3-F 3-F	AC AC AC	4-EC-PH 4-iPr-Ph 4-tBu-Ph

2150	3-F	Ac	4-CH2CO2Me-Ph
2151	3-F	Ac	4-(1-piperidinyl)-Ph
2152	3-F	Ac	4-(1-pyrrolidinyl)-Ph
2153	3-F	Ac	4-(2-imidazoly1)-Ph
2154	3-F	Ac	4-(1-imidazoly1)-Ph
2155	3-F	Ac	4-(1-1mida201y1)-Ph
2156	3-F	Ac	4-(3-pyrazolyl)-Ph
2157	3-F	Ac	
2158	3-F	Ac	4-(1-pyrazolyl)-Ph
2159	3-F	Ac	4-(5-Me-1-tetrazoly1)-Ph
2160	3-F	+	4-(1-Me-5-tetrazolyl)-Ph
2161	3-F	Ac	4-(2-pyridy1)-Ph
		Ac	4-(2-thieny1)-Ph
2162	3-F	Ac	4-(2-furanyl)-Ph
2163	3-F 3-F	Ac	2-CN-Ph
2164		Ac	2-COMe-Ph
2165	3-F	Ac	2-CO2Me-Ph
2166	3-F	Ac	2-CONH2-Ph
2167	3-F	Ac	2-CONHMe-Ph
2168	3-F	Ac	2-F-Ph
2169	3-F	Ac	2-C1-Ph
2170	3-F	Ac	2-Br-Ph
2171	3-F	Ac	2-SO2NH2-Ph
2172	3-F	Ac	2-SO2NHMe-Ph
2173	3-F	Ac	2-CF3-Ph
2174	3-F	Ac	2-OMe-Ph
2175	3-F	Ac	2-SMe-Ph
2176	3-F	Ac	2-SOMe-Ph
2177	3-F	Ac	2-SO2Me-Ph
2178	3-F	Ac	2-OH-Ph
2179	3-F	Ac	2-CH2OH-Ph
2180	3-F	Ac	2-CHOHMe-Ph
2181	3-F	Ac	2-COH (Me) 2-Ph
2182	3-F	Ac	2-Me-Ph
2183	3-F	Ac	2-Et-Ph
2184	3-F	Ac	2-iPr-Ph
2185	3-F	Ac	2-tBu-Ph
2186	3-F	Ac	2-CH2CO2Me-Ph
2187	3-F	Ac	2-(1-piperidinyl)-Ph
2188	3-F	Ac	2-(1-pyrrolidinyl)-Ph
2189	3-F	Ac	2-(2-imidazolyl)-Ph
2190	3-F	Ac	2-(1-imidazolyl)-Ph
2191	3-F	Ac	2-(2-thiazolyl)-Ph
2192	3-F	Ac	2-(3-pyrazoly1)-Ph
2193	3-F	Ac	2-(1-pyrazoly1)-Ph
2194	3-F	Ac	2-(5-Me-1-tetrazoly1)-Ph
2195	3-F	Ac	2-(1-Me-5-tetrazoly1)-Ph
2196	3-F	Ac	2-(2-pyridy1)-Ph
2197	3-F	Ac	2-(2-thienyl)-Ph
2198	3-F	Ac	2-(2-furanyl)-Ph
2199	3-F	Ac	2,4-diF-Ph
2200	3-F	Ac	2,5-diF-Ph
2201	3-F	Ac	2,6-diF-Ph
2202	3-F	Ac	3,4-diF-Ph
2203	3-F	Ac	3,5-diF-Ph
2204	3-F	Ac	2,4-diCl-Ph

			<del></del>
2205	3-F	Ac	2,5-diCl-Ph
2206	3-F	Ac	2,6-diCl-Ph
2207	3-F	Ac	3,4-diCl-Ph
2208	3-F	Ac	3,5-diCl-Ph
2209	3-F	Ac	3,4-diCF3-Ph
2210	3-F	Ac	3,5-diCF3-Ph
2211	3-F	Ac	5-C1-2-MeO-Ph
2212	3-F	Ac	5-C1-2-Me-Ph
2213	3-F	AC	2-F-5-Me-Ph
2214	3-F	AC	3-F-5-morpholino-Ph
2215	3-F	AC	3,4-OCH2O-Ph
2216	3-F	AC	3,4-OCH2CH2O-Ph
2217	3-F	AC	2-MeO-5-CONH2-Ph
2217	3-F	AC	2-MeO-3-CONHZ-PH 2-MeO-4-(1-Me-5-tetrazolyl)-Ph
2218	3-F	AC	2-MeO-4-(1-Me-5-tetrazoly1)-Ph 2-MeO-5-(1-Me-5-tetrazoly1)-Ph
2219	3-F		3-CONH2-5-(1-Me-5-tetrazoly1)-Ph
	3-F 3-F	Ac	1-naphthyl
2221	3-F 3-F	AC	
2222		AC	2-naphthyl
2223	3-F	Ac	2-thienyl
2224	3-F	Ac	3-thienyl
2225	3-F	Ac	2-furanyl
2226	3-F	Ac	3-furanyl
2227	3-F	Ac	2-pyridyl
2228	3-F	Ac	3-pyridyl
2229	3-F	Ac	4-pyridyl
2230	3-F	Ac	2-indolyl
2231	3-F	Ac	3-indolyl
2232	3-F	Ac	5-indolyl
2233	3-F	Ac	6-indolyl
2234	3-F	Ac	3-indazolyl
2235	3-F	Ac	5-indazolyl
2236	3-F	Ac	6-indazolyl
2237	3-F	Ac	2-imidazolyl
2238	3-F	Ac	3-isoxazoyl
2239	3-F	Ac	3-pyrazolyl
2240	3-F	Ac	2-thiadiazolyl
2241	3-F	Ac	2-thiazolyl
2242	3-F	Ac	5-Ac-4-Me-2-thiazolyl
2243	3-F	Ac	5-tetrazolyl
2244	3-F	Ac	2-benzimidazolyl
2245	3-F	Ac	5-benzimidazolyl
2245	3-F	AC	2-benzothiazolyl
2247	3-F	AC	5-benzothiazolyl
2247	3-F	AC	2-benzoxazolyl
	3-F		z-penzoxazolyl 5-benzoxazolyl
2249		AC AC	
2250	3-F	Ac Ac	1-adamantyl
2251	3-F	Ac	2-adamantyl
2252	3-F	AC	i-Pr
2253	3-F	Ac	t-Bu
2254	3-F	Ac	c-Hex
2255	3-F	Ac	CH2CH2OMe
2256	3-F	Ac	CH2CONH2
2257	3-F	Ac	CH2CO2Me
2258	3-F	Ac	CH(CH2Ph)CO2Me
2259	3-F	Ac	CH2CH2NMe2

2260	7 77	7~	hon1
2260	3-F	AC	benzyl
2261	3-F	AC	phenethyl
2262	3-F	Ac	2-(morpholin-1-yl)-Et
2263	3-F	COtBu	Ph
2264	3-F	COtBu	3-CN-Ph
2265	3-F	COtBu	3-COMe-Ph
2266	3-F	COtBu	3-C02Me-Ph
2267	3-F	COtBu	3-CONH2-Ph
2268	3-F	COtBu	3-CONHMe-Ph
2269	3-F	COtBu	3-F-Ph
2270	3-F	COtBu	3-C1-Ph
2271	3-F	COtBu	3-Br-Ph
2272	3-F	COtBu	3-SO2NH2-Ph
2273	3-F	COtBu	3-SO2NHMe-Ph
2274	3-F	COtBu	3-CF3-Ph
2275	3-F	COtBu	3-OMe-Ph
2276	3-F	COtBu	3-SMe-Ph
2277	3-F	COtBu	3-SOMe-Ph
2278	3-F	COtBu	3-SO2Me-Ph
2279	3-F	COtBu	3-OH-Ph
2280	3-F	COtBu	3-CH2OH-Ph
2281	3-F	COtBu	3-CHOHMe-Ph
2282	3-F	COtBu	3-COH(Me)2-Ph
2283	3-F	COtBu	3-Me-Ph
2284	3-F	COtBu	3-Et-Ph
2285	3-F	COtBu	3-iPr-Ph
2286	3-F	COtBu_	3-tBu-Ph
2287	3-F	COtBu	3-CH2CO2Me-Ph
2288	3-F	COtBu	3-(1-piperidinyl)-Ph
2289	3-F	COtBu	3-(1-pyrrolidinyl)-Ph
2290	3-F	COtBu	3-(2-imidazolyl)-Ph
2291	3-F	COtBu	3-(1-imidazoly1)-Ph
2292	3-F	COtBu	3-(2-thiazolyl)-Ph
2293	3-F	COtBu	3-(3-pyrazolyl)-Ph
2294	3-F	COtBu	3-(1-pyrazolyl)-Ph
2295	3-F	COtBu_	3-(5-Me-1-tetrazolyl)-Ph
2296	3-F	COtBu	3-(1-Me-5-tetrazolyl)-Ph
2297	3-F	COtBu	3-(2-pyridyl)-Ph
2298	3-F	COtBu	3-(2-thienyl)-Ph
2299	3-F	COtBu	3-(2-furanyl)-Ph
2300	3-F	COtBu	4-CN-Ph
2301	3-F	COtBu	4-COMe-Ph
2302	3-F	COtBu	4-CO2Me-Ph
2303	3-F	COtBu	4-CONH2-Ph
2304	3-F	COtBu	4-CONHMe-Ph
2305	3-F	COtBu	4-CONHPh-Ph
2306	3-F	COtBu	4-F-Ph
2307	3-F	COtBu	4-Cl-Ph
2308	3-F	COtBu	4-Br-Ph
2309	3-F	COtBu	4-SO2NH2-Ph
2310	3-F	COtBu	4-SO2NHMe-Ph
2311	3-F	COtBu	4-CF3-Ph
2312	3-F	COtBu	4-OMe-Ph
2313	3-F	COtBu	4-SMe-Ph
2314	3-F	COtBu	4-SOMe-Ph

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2315	3-F	COtBu	4-SO2Me-Ph
2316	3-F	COtBu	4-OH-Ph
2317	3-F	COtBu	4-CH2OH-Ph
2318	3-F	COtBu_	4-CHOHMe-Ph
2319	3-F	COtBu	4-COH (Me) 2-Ph
2320	3-F	COtBu	4-Me-Ph
2321	3-F	COtBu	4-Et-Ph
2322	3-F	COtBu	4-iPr-Ph
2323	3-F	COtBu	4-tBu-Ph
2324	3-F	COtBu	4-CH2CO2Me-Ph
2325	3-F	COtBu	4-(1-piperidinyl)-Ph
2326	3-F	COtBu	4-(1-pyrrolidinyl)-Ph
2327	3-F	COtBu	4-(2-imidazolyl)-Ph
2328	3-F	COtBu	4-(1-imidazolyl)-Ph
2329	3-F	COtBu	4-(2-thiazolyl)-Ph
2330	3-F	COtBu	4-(3-pyrazolyl)-Ph
2331	3-F	COtBu	4-(1-pyrazoly1)-Ph
2332	3-F	COtBu	4-(5-Me-1-tetrazoly1)-Ph
2333	3-F	COtBu	4-(1-Me-5-tetrazolyl)-Ph
2334	3-F	COtBu	4-(2-pyridyl)-Ph
2335	3-F	COtBu	4-(2-thienyl)-Ph
2336	3-F	COtBu	4-(2-threng1)-Fh 4-(2-furany1)-Ph
2337	3-F	COtBu	2-CN-Ph
2338	3-F		2-CN-PH 2-COMe-Ph
	3-F	COtBu	
2339		COtBu	2-CO2Me-Ph
2340	3-F	COtBu	2-CONH2-Ph
2341	3-F	COtBu	2-CONHMe-Ph
2342	3-F	COtBu	2-F-Ph
2343	3-F	COtBu	2-C1-Ph
2344	3-F	COtBu	2-Br-Ph
2345	3-F	COtBu	2-S02NH2-Ph
2346	3-F	COtBu	2-SO2NHMe-Ph
2347	3-F	COtBu	2-CF3-Ph
2348	3-F	COtBu	2-OMe-Ph
2349	3-F	COtBu	2-SMe-Ph
2350	3-F	COtBu	2-SOMe-Ph
2351	3-F	COtBu	2-SO2Me-Ph
2352	3-F	COtBu	2-OH-Ph
2353	3-F	COtBu	2-CH2OH-Ph
2354	3-F	COtBu	2-CHOHMe-Ph
2355	3-F	COtBu	2-COH(Me)2-Ph
2356	3-F	COtBu	2-Me-Ph
2357	3-F	COtBu	2-Et-Ph
2358	3-F	COtBu	2-iPr-Ph
2359	3-F	COtBu	2-tBu-Ph
2360	3-F	COtBu	2-CH2CO2Me-Ph
2361	3-F	COtBu	2-(1-piperidinyl)-Ph
2362	3-F	COtBu	2-(1-pyrrolidinyl)-Ph
2363	3-F	COtBu	2-(2-imidazolyl)-Ph
2364	3-F	COtBu	2-(1-imidazolyl)-Ph
2365	3-F	COtBu	2-(2-thiazolyl)-Ph
2366	3-F	COtBu	2-(3-pyrazolyl)-Ph
2367	3-F	COtBu	2-(1-pyrazolyl)-Ph
2368	3-F	COtBu	2-(5-Me-1-tetrazoly1)-Ph
2369	3-F	COtBu	2-(1-Me-5-tetrazolyl)-Ph
	<u> </u>		

2370	3-F	COtBu	2-(2-pyridyl)-Ph
2371	3-F	COtBu	2-(2-thienyl)-Ph
2372	3-F	COtBu	2-(2-furanyl)-Ph
2373	3-F	COtBu	2,4-diF-Ph
2374	3-F	COtBu_	2,5-diF-Ph
2375	3-F	COtBu	2,6-diF-Ph
2376	3-F	COtBu	3,4-diF-Ph
2377	3-F	COtBu	3,5-diF-Ph
2378	3-F	COtBu	2,4-diCl-Ph
2379	3-F	COtBu	2,5-diCl-Ph
2380	3-F	COtBu	2,6-diCl-Ph
2381	3-F	COtBu	3,4-diCl-Ph
2382	3-F	COtBu	3,5-diCl-Ph
2383	3-F	COtBu	3,4-diCF3-Ph
2384	3-F	COtBu	3,5-diCF3-Ph
2385	3-F	COtBu	5-C1-2-MeO-Ph
2386	3-F	COtBu	5-Cl-2-Me-Ph
2387	3-F	COtBu	2-F-5-Me-Ph
2388	3-F	COtBu	3-F-5-morpholino-Ph
2389	3-F	COtBu	3,4-OCH2O-Ph
2390	3-F	COtBu	3,4-OCH2CH2O-Ph
2391	3-F	COtBu	2-MeO-5-CONH2-Ph
2392	3-F	COtBu	2-MeO-4-(1-Me-5-tetrazoly1)-Ph
2393	3-F	COtBu	2-MeO-5-(1-Me-5-tetrazoly1)-Ph
2394	3-F	COtBu	3-CONH2-5-(1-Me-5-tetrazolyl)-Ph
2395	3-F	COtBu	1-naphthyl
2396	3-F	COtBu	2-naphthyl
2397	3-F	COtBu	2-thienyl
2398	3-F	COtBu	3-thienyl
2399	3-F	COtBu	2-furanyl
2400	3-F	COtBu	3-furany1
2401	3-F	COtBu	2-pyridy1
2402	3-F	COtBu	3-pyridyl
2403	3-F	COtBu	4-pyridyl
2404	3-F	COtBu	2-indoly1
2405	3-F	COtBu	3-indoly1
2406	3-F	COtBu	5-indoly1
2407	3-F	COtBu	6-indoly1
2408	3-F	COtBu	3-indazolyl
2409	3-F	COtBu	5-indazolyl
2410	3-F	COtBu	6-indazolyl
2411	3-F	COtBu	2-imidazolyl
2412	3-F	COtBu	3-isoxazoyl
2413	3-F	COtBu	3-pyrazolyl
2414	3-F	COtBu	2-thiadiazolyl
2415	3-F	COtBu	2-thiazolyl
2416	3-F	COtBu	5-Ac-4-Me-2-thiazolyl
2417	3-F	COtBu	5-tetrazolyl
2418	3-F	COtBu	2-benzimidazolyl
2419	3-F	COtBu	5-benzimidazolyl
2420	3-F	COtBu	2-benzothiazolyl
2421	3-F	COtBu	5-benzothiazolyl
2422	3-F	COtBu	2-benzoxazolyl
2423	3-F	COtBu	5-benzoxazolyl
2424	3-F	COtBu	1-adamantyl

2425	3-F	COtBu	2-2d2m2ntv1
2425	3-F		2-adamanty1
2427	3-F	COtBu	i-Pr
		COtBu	t-Bu
2428	3-F	COtBu	c-Hex
2429	3-F	COtBu	CH2CH2OMe
2430	3-F	COtBu	CH2CONH2
2431	3-F	COtBu	CH2CO2Me
2432	3-F	COtBu	CH(CH2Ph)CO2Me
2433	3-F	COtBu	CH2CH2NMe2
2434	3-F	COtBu	benzyl
2435	3-F	COtBu	phenethy1
2436	3-F	COtBu	2-(morpholin-1-yl)-Et
2437	3-F	SO2Me	Ph
2438	3-F	SO2Me	3-CN-Ph
2439	3-F	SO2Me	3-COMe-Ph
2440	3-F	SO2Me	3-CO2Me-Ph
2441	3-F	SO2Me	3-CONH2-Ph
2442	3-F	SO2Me	3-CONHMe-Ph
2443	3-F	SO2Me	3-F-Ph
2444	3-F	SO2Me	3-C1-Ph
2445	3-F	SO2Me	3-Br-Ph
2446	3-F	SO2Me	3-SO2NH2-Ph
2447	3-F	SO2Me	3-SO2NH2-FH 3-SO2NHMe-Ph
2448	3-F	<del></del>	<u> </u>
2449	3-F	SO2Me	3-CF3-Ph
		SO2Me	3-OMe-Ph
2450	3-F	SO2Me	3-SMe-Ph
2451	3-F	SO2Me	3-SOMe-Ph
2452	3-F	SO2Me	3-S02Me-Ph
2453	3-F	SO2Me	3-OH-Ph
2454	3-F	SO2Me	3-CH2OH-Ph
2455	3-F	SO2Me	3-CHOHMe-Ph
2456	3-F	SO2Me	3-COH(Me)2-Ph
2457	3-F	SO2Me	3-Me-Ph
2458	3-F	SO2Me	3-Et-Ph
2459	3-F	SO2Me	3-iPr-Ph
2460	3-F	SO2Me	3-tBu-Ph
2461	3-F	SO2Me	3-CH2CO2Me-Ph
2462	3-F	SO2Me	3-(1-piperidinyl)-Ph
2463	3-F	SO2Me	3-(1-pyrrolidinyl)-Ph
2464	3-F	SO2Me	3-(2-imidazolyl)-Ph
2465	3-F	SO2Me	3-(1-imidazolyl)-Ph
2466	3-F	SO2Me	3-(2-thiazolyl)-Ph
2467	3-F	SO2Me	3-(3-pyrazolyl)-Ph
2468	3-F	SO2Me	3-(1-pyrazolyl)-Ph
2469	3-F	SO2Me	3-(5-Me-1-tetrazoly1)-Ph
2470	3-F	SO2Me	3-(1-Me-5-tetrazoly1)-Ph
2471	3-F	SO2Me	3-(2-pyridy1)-Ph
2472	3-F	SO2Me	3-(2-thienyl)-Ph
2473	3-F	SO2Me	3-(2-furanyl)-Ph
2474	3-F	SO2Me	4-CN-Ph
2475	3-F	SO2Me	4-COMe-Ph
2476	3-F	SO2Me	4-COMe-Ph
2477	3-F	SO2Me	4-CO2Me-PH 4-CONH2-Ph
2477	3-F		4-CONHZ-Ph 4-CONHMe-Ph
2478	3-F	SO2Me	
24/9	3-F	SO2Me	4-CONHPh-Ph

2480	3-F	SO2Me	4-F-Ph
2481	3-F	SO2Me	4-C1-Ph
2482	3-F	SO2Me	4-Br-Ph
2483	3-F	SO2Me	4-SO2NH2-Ph
2484	3-F	SO2Me	4-SO2NHMe-Ph
2485	3-F	SO2Me	4-CF3-Ph
2486	3-F	SO2Me	4-OMe-Ph
2487	3-F	SO2Me	4-SMe-Ph
2488	3-F	SO2Me	4-SOMe-Ph
2489	3-F	SO2Me	4-SO2Me-Ph
2490	3-F	SO2Me	4-OH-Ph
2491	3-F	SO2Me	4-CH2OH-Ph
2492	3-F	SO2Me	4-CHOHMe-Ph
2493	3-F	SO2Me	4-COH(Me)2-Ph
2494	3-F	SO2Me	4-Me-Ph
2495	3-F	SO2Me	4-Et-Ph
2496	3-F	SO2Me	4-iPr-Ph
2497	3-F	SO2Me	4-tBu-Ph
2498	3-F	SO2Me	4-CH2CO2Me-Ph
2499	3-F	SO2Me	4-(1-piperidinyl)-Ph
2500	3-F	SO2Me	4-(1-pyrrolidiny1)-Ph
2501	3-F	SO2Me	4-(2-imidazoly1)-Ph
2502	3-F	SO2Me	4-(1-imidazolyl)-Ph
2503	3-F	SO2Me	4-(2-thiazoly1)-Ph
2504	3-F	SO2Me	4-(3-pyrazoly1)-Ph
2505	3-F	SO2Me	4-(1-pyrazoly1)-Ph
2506	3-F	SO2Me	4-(5-Me-1-tetrazoly1)-Ph
2507	3-F	SO2Me	4-(1-Me-5-tetrazolyl)-Ph
2508	3-F	SO2Me	4-(2-pyridyl)-Ph
2509	3-F	SO2Me	4-(2-thienyl)-Ph
2510	3-F	SO2Me	4-(2-furany1)-Ph
2511	3-F	SO2Me	2-CN-Ph
2512	3-F	SO2Me	2-COMe-Ph
2513	3-F	SO2Me	2-CO2Me-Ph
2514	3-F	SO2Me	2-CONH2-Ph
2515	3-F	SO2Me	2-CONHMe-Ph
2516	3-F	SO2Me	2-F-Ph
2517	3-F	SO2Me	2-Cl-Ph
2518	3-F	SO2Me	2-Br-Ph
2519	3-F	SO2Me	2-SO2NH2-Ph
2520	3-F	SO2Me	2-SO2NHMe-Ph
2521	3-F	SO2Me	2-CF3-Ph
2522	3-F	SO2Me	2-OMe-Ph
2,523	3-F	SO2Me	2-SMe-Ph
2524	3-F	SO2Me	2-SOMe-Ph
2525	3-F	SO2Me	2-SO2Me-Ph
2526	3-F	SO2Me	2-OH-Ph
2527	3-F	SO2Me	2-CH2OH-Ph
2528	3-F	SO2Me	2-CHOHMe-Ph
2529	3-F	SO2Me	2-COH (Me) 2-Ph
2530	3-F	SO2Me	2-CON (Me) 2-FII 2-Me-Ph
2531	3-F	SO2Me	2-Me-FH 2-Et-Ph
2532	3-F	SO2Me	2-1Pr-Ph
	3-F		2-1F1-F11 2-tBu-Ph
2533	<del></del>	SO2Me	2-CH2CO2Me-Ph
2534	3-F	SO2Me	Z-CnZCOZMe-PII

2536   3-F   SO2Me   2-(1-pyrrolidiny1)-Ph   2537   3-F   SO2Me   2-(2-imidazoly1)-Ph   2538   3-F   SO2Me   2-(1-imidazoly1)-Ph   2539   3-F   SO2Me   2-(2-thiazoly1)-Ph   2540   3-F   SO2Me   2-(3-pyrazoly1)-Ph   2541   3-F   SO2Me   2-(1-pyrazoly1)-Ph   2541   3-F   SO2Me   2-(1-pyrazoly1)-Ph   2542   3-F   SO2Me   2-(1-me-5-tetrazoly1)-Ph   2543   3-F   SO2Me   2-(1-me-5-tetrazoly1)-Ph   2544   3-F   SO2Me   2-(1-me-5-tetrazoly1)-Ph   2545   3-F   SO2Me   2-(2-thieny1)-Ph   2546   3-F   SO2Me   2-(2-thieny1)-Ph   2546   3-F   SO2Me   2-(2-thieny1)-Ph   2547   3-F   SO2Me   2-(2-thieny1)-Ph   2548   3-F   SO2Me   2-(2-thieny1)-Ph   2549   3-F   SO2Me   2-(3-dif-Ph   2550   3-F   SO2Me   2-(4-dif-Ph   2551   3-F   SO2Me   2-(4-dif-Ph   2551   3-F   SO2Me   2-(4-dif-Ph   2552   3-F   SO2Me   3-(4-dif-Ph   2553   3-F   SO2Me   3-(4-dif-Ph   2553   3-F   SO2Me   2-(4-dif-Ph   2554   3-F   SO2Me   2-(4-dif-Ph   2555   3-F   SO2Me   2-(4-dif-Ph   2555   3-F   SO2Me   2-(4-dif-Ph   2555   3-F   SO2Me   3-(4-dif-Ph   2556   3-F   SO2Me   3-(4-dif-Ph   2566   3-F   SO2Me   3-(4-dif-Ph   2666   3-F   SO2Me   2-(4-dif-Ph   2	2536   3-F   SO2Me   2-(1-pyrrolidinyl)-Ph   2537   3-F   SO2Me   2-(2-imidazolyl)-Ph   2538   3-F   SO2Me   2-(1-imidazolyl)-Ph   2538   3-F   SO2Me   2-(1-imidazolyl)-Ph   2540   3-F   SO2Me   2-(3-pyrazolyl)-Ph   2540   3-F   SO2Me   2-(3-pyrazolyl)-Ph   2541   3-F   SO2Me   2-(1-pyrazolyl)-Ph   2542   3-F   SO2Me   2-(5-Me-1-tetrazolyl)-Ph   2543   3-F   SO2Me   2-(1-me-5-tetrazolyl)-Ph   2544   3-F   SO2Me   2-(1-me-5-tetrazolyl)-Ph   2545   3-F   SO2Me   2-(2-pyridyl)-Ph   2545   3-F   SO2Me   2-(2-thienyl)-Ph   2546   3-F   SO2Me   2-(2-thienyl)-Ph   2547   3-F   SO2Me   2-(2-thienyl)-Ph   2548   3-F   SO2Me   2-(3-thienyl)-Ph   2548   3-F   SO2Me   2-(3-thienyl)-Ph   2549   3-F   SO2Me   2-(3-thienyl)-Ph   2549   3-F   SO2Me   2-(3-thienyl)-Ph   2550   3-F   SO2Me   3-(3-thienyl)-Ph   2551   3-F   SO2Me   3-(3-thienyl)-Ph   2552   3-F   SO2Me   3-(3-thienyl)-Ph   2553   3-F   SO2Me   2-(3-thienyl)-Ph   2554   3-F   SO2Me   2-(3-thienyl)-Ph   2555   3-F   SO2Me   2-(3-thienyl)-Ph   2556   3-F   SO2Me   3-(3-thienyl)-Ph   2556   3-F   SO2Me   3-(3-thienyl)-Ph   2557   3-F   SO2Me   3-(3-thienyl)-Ph   2568   3-F   SO2Me   3-(3-thienyl)-Ph   2569   3-F   SO2Me   3-(3-thienyl)-Ph	2525	3 5	00011	2 /1
2537   3-F   SO2Me   2-(2-imidazolyl)-Ph     2538   3-F   SO2Me   2-(1-imidazolyl)-Ph     2539   3-F   SO2Me   2-(2-thiazolyl)-Ph     2540   3-F   SO2Me   2-(3-pyrazolyl)-Ph     2541   3-F   SO2Me   2-(1-pyrazolyl)-Ph     2542   3-F   SO2Me   2-(1-me-5-tetrazolyl)-Ph     2543   3-F   SO2Me   2-(1-Me-5-tetrazolyl)-Ph     2544   3-F   SO2Me   2-(2-pyridyl)-Ph     2545   3-F   SO2Me   2-(2-pyridyl)-Ph     2546   3-F   SO2Me   2-(2-thienyl)-Ph     2547   3-F   SO2Me   2-(2-thienyl)-Ph     2548   3-F   SO2Me   2-(2-thienyl)-Ph     2549   3-F   SO2Me   2-(2-thienyl)-Ph     2549   3-F   SO2Me   2-(3-diF-Ph     2549   3-F   SO2Me   2-(3-diF-Ph     2550   3-F   SO2Me   3,4-diF-Ph     2551   3-F   SO2Me   3,5-diF-Ph     2552   3-F   SO2Me   2,6-diCl-Ph     2553   3-F   SO2Me   2,6-diCl-Ph     2554   3-F   SO2Me   3,4-diCl-Ph     2555   3-F   SO2Me   3,4-diCl-Ph     2556   3-F   SO2Me   3,4-diCl-Ph     2557   3-F   SO2Me   3,5-diF3-Ph     2558   3-F   SO2Me   3,5-diCl-Ph     2559   3-F   SO2Me   3,4-diCl-Ph     2550   3-F   SO2Me   3,5-diCl-Ph     2551   3-F   SO2Me   3,4-diCl-Ph     2552   3-F   SO2Me   3,4-diCl-Ph     2553   3-F   SO2Me   3,4-diCl-Ph     2554   3-F   SO2Me   3,4-diCl-Ph     2555   3-F   SO2Me   3,4-diCl-Ph     2556   3-F   SO2Me   3,4-diCl-Ph     2557   3-F   SO2Me   3,4-diCl-Ph     2558   3-F   SO2Me   3,4-diCl-Ph     2560   3-F   SO2Me   3,4-diCl-Ph     2561   3-F   SO2Me   3,4-diCl-Ph     2562   3-F   SO2Me   3,4-diCl-Ph     2563   3-F   SO2Me   3-F-S-morpholino-Ph     2564   3-F   SO2Me   3-F-S-morpholino-Ph     2565   3-F   SO2Me   3-F-S-morpholino-Ph     2566   3-F   SO2Me   3-F-S-morpholino-Ph     2567   3-F   SO2Me   3-F-S-morpholino-Ph     2568   3-F   SO2Me   3-F-S-morpholino-Ph     2569   3-F   SO2Me   3-F-S-morpholino-Ph     2569   3-F   SO2Me   3-F-S-morpholino-Ph     2560   3-F   SO2Me   3-F-S-S-Morpholino-Ph	2537   3-F   SO2Me	2535	3-F	SO2Me	2-(1-piperidinyl)-Ph
2538   3-F   SO2Me   2-(1-imidazolyl)-Ph   2539   3-F   SO2Me   2-(2-thiazolyl)-Ph   2540   3-F   SO2Me   2-(3-pyrazolyl)-Ph   2541   3-F   SO2Me   2-(1-pyrazolyl)-Ph   2542   3-F   SO2Me   2-(1-me-5-tetrazolyl)-Ph   2542   3-F   SO2Me   2-(1-me-5-tetrazolyl)-Ph   2543   3-F   SO2Me   2-(1-me-5-tetrazolyl)-Ph   2544   3-F   SO2Me   2-(2-thienyl)-Ph   2545   3-F   SO2Me   2-(2-thienyl)-Ph   2546   3-F   SO2Me   2-(2-thienyl)-Ph   2547   3-F   SO2Me   2-(2-thienyl)-Ph   2548   3-F   SO2Me   2,4-diF-Ph   2549   3-F   SO2Me   2,5-diF-Ph   2549   3-F   SO2Me   2,5-diF-Ph   2550   3-F   SO2Me   3,4-diF-Ph   2551   3-F   SO2Me   3,5-diF-Ph   2552   3-F   SO2Me   2,4-diCl-Ph   2553   3-F   SO2Me   2,5-diCl-Ph   2555   3-F   SO2Me   2,6-diCl-Ph   2555   3-F   SO2Me   2,6-diCl-Ph   2555   3-F   SO2Me   3,4-diCF3-Ph   2556   3-F   SO2Me   3,5-diCP3-Ph   2560   3-F   SO2Me   3,5-diCP3-Ph   2560   3-F   SO2Me   3,5-diCP3-Ph   2560   3-F   SO2Me   3,5-diCP3-Ph   2560   3-F   SO2Me   3,4-OCH2O-Ph   2561   3-F   SO2Me   3,4-OCH2O-Ph   2563   3-F   SO2Me   3-F-5-morpholino-Ph   2564   3-F   SO2Me   3-F-5-morpholino-Ph   2566   3-F   SO2Me   3-F-5-morpholino-Ph   2567   3-F   SO2Me   2-MeO-5-CONH2-Ph   2568   3-F   SO2Me   2-MeO-5-CI-Me-5-tetrazolyl)-Ph   2568   3-F   SO2Me   2-MeO-5-CI-Me-5-tetrazolyl)-Ph   2570   3-F   SO2Me   2-MeO-5-CI-Me-5-tetrazolyl)-Ph   2571   3-F   SO2Me   2-MeO-5-CI-Me-5-tetrazolyl)-Ph   2573   3-F   SO2Me   2-MeO-5-CI-Me-5-tetrazolyl)-Ph   2573   3-F   SO2Me   2-MeO-5-CI-Me-5-tetrazolyl)-Ph   2573   3-F   SO2Me   2-MeO-5-CI-Me-5-tetrazolyl)-Ph   2574   3-F   SO2Me   2-MeO-5-CI-Me-5-tetrazolyl)-Ph   2575   3-F   SO2Me   2-MeO-5-CI-Me-5-tetrazolyl)-Ph   2576   3-F   SO2Me   2-MeO-5-CI-Me-5-tetrazolyl)-Ph   2576   3-F   SO2Me   2-MeO-5-CI-Me-5-tetrazolyl)-Ph   2576   3-F   SO2Me   2-MeO-5-C	2538   3-F   SO2Me   2-(1-imidazoly1)-Ph   2539   3-F   SO2Me   2-(2-thiazoly1)-Ph   2540   3-F   SO2Me   2-(3-pyrazoly1)-Ph   2541   3-F   SO2Me   2-(1-pyrazoly1)-Ph   2542   3-F   SO2Me   2-(5-Me-1-tetrazoly1)-Ph   2543   3-F   SO2Me   2-(1-Me-5-tetrazoly1)-Ph   2543   3-F   SO2Me   2-(2-pyridy1)-Ph   2544   3-F   SO2Me   2-(2-thieny1)-Ph   2545   3-F   SO2Me   2-(2-thieny1)-Ph   2546   3-F   SO2Me   2-(2-thieny1)-Ph   2547   3-F   SO2Me   2-(2-thieny1)-Ph   2548   3-F   SO2Me   2,5-diF-Ph   2549   3-F   SO2Me   2,5-diF-Ph   2550   3-F   SO2Me   3,4-diF-Ph   2551   3-F   SO2Me   3,5-diF-Ph   2551   3-F   SO2Me   2,5-diCl-Ph   2553   3-F   SO2Me   2,6-diCl-Ph   2554   3-F   SO2Me   2,6-diCl-Ph   2555   3-F   SO2Me   3,4-diCl-Ph   2555   3-F   SO2Me   3,5-diCl-Ph   2556   3-F   SO2Me   3,5-diCF3-Ph   2557   3-F   SO2Me   3,5-diCF3-Ph   2558   3-F   SO2Me   3,5-diCF3-Ph   2559   3-F   SO2Me   3,5-diCF3-Ph   2559   3-F   SO2Me   3,5-diCF3-Ph   2560   3-F   SO2Me   3,5-diCF3-Ph   2560   3-F   SO2Me   3,5-diCF3-Ph   2561   3-F   SO2Me   3,5-diCF3-Ph   2562   3-F   SO2Me   3,4-OCH2O-Ph   2563   3-F   SO2Me   3,4-OCH2O-Ph   2564   3-F   SO2Me   3,4-OCH2O-Ph   2565   3-F   SO2Me   3,4-OCH2O-Ph   2566   3-F   SO2Me   3,4-OCH2O-Ph   2566   3-F   SO2Me   2-MeO-5-CONH2-Ph   2566   3-F   SO2Me   2-MeO-5-CONH2-Ph   2568   3-F   SO2Me   2-MeO-5-CONH2-Ph   2568   3-F   SO2Me   2-MeO-5-CONH2-Ph   2569   3-F   SO2Me   2-MeO-5-CONH2-Ph		3-F		
2539   3-F   SO2Me   2-(2-thiazolyl)-Ph   2540   3-F   SO2Me   2-(3-pyrazolyl)-Ph   2541   3-F   SO2Me   2-(1-pyrazolyl)-Ph   2541   3-F   SO2Me   2-(1-pyrazolyl)-Ph   2542   3-F   SO2Me   2-(5-Me-1-tetrazolyl)-Ph   2543   3-F   SO2Me   2-(2-pyridyl)-Ph   2544   3-F   SO2Me   2-(2-pyridyl)-Ph   2545   3-F   SO2Me   2-(2-thienyl)-Ph   2546   3-F   SO2Me   2-(2-thienyl)-Ph   2547   3-F   SO2Me   2-(2-thienyl)-Ph   2548   3-F   SO2Me   2-(3-fdir-Ph   2549   3-F   SO2Me   2-(3-fdir-Ph   2549   3-F   SO2Me   2-(3-fdir-Ph   2550   3-F   SO2Me   3-(3-fdir-Ph   2551   3-F   SO2Me   3-(3-fdir-Ph   2551   3-F   SO2Me   3-(3-fdir-Ph   2553   3-F   SO2Me   2-(3-fdir-Ph   2553   3-F   SO2Me   2-(3-fdir-Ph   2555   3-F   SO2Me   2-(3-fdir-Ph   2555   3-F   SO2Me   2-(3-fdir-Ph   2555   3-F   SO2Me   3-(3-fdir-Ph   2555   3-F   SO2Me   3-(3-fdir-Ph   2555   3-F   SO2Me   3-(3-fdir-Ph   2556   3-F   SO2Me   3-(3-fdir-Ph   2566   3-F   SO2Me   3-(3-fdir-Ph   2567   3-F   SO2Me   2-MeO-5-(1-Me-5-tetrazolyl)-Ph   2567   3-F   SO2Me   2-MeO-5-(1-Me-5-tetrazolyl)-Ph   2569   3-F   SO2Me   2-MeO-5-(1-Me-5-tetrazolyl)-Ph   2570   3-F   SO2Me   3-(3-fdir-Ph   2570   3-F   SO2Me   3-(3-	2539   3-F   SO2Me   2-(2-thiazoly1)-Ph   2540   3-F   SO2Me   2-(3-pyrazoly1)-Ph   2541   3-F   SO2Me   2-(1-pyrazoly1)-Ph   2542   3-F   SO2Me   2-(1-me-5-tetrazoly1)-Ph   2543   3-F   SO2Me   2-(1-me-5-tetrazoly1)-Ph   2544   3-F   SO2Me   2-(2-pyridy1)-Ph   2545   3-F   SO2Me   2-(2-thieny1)-Ph   2546   3-F   SO2Me   2-(2-thieny1)-Ph   2547   3-F   SO2Me   2-(2-thieny1)-Ph   2548   3-F   SO2Me   2-(3-furany1)-Ph   2548   3-F   SO2Me   2-(3-furany1)-Ph   2549   3-F   SO2Me   2-(3-furany1)-Ph   2549   3-F   SO2Me   2-(3-furany1)-Ph   2550   3-F   SO2Me   2-(3-furany1)-Ph   2551   3-F   SO2Me   3-(3-furany1)-Ph   2552   3-F   SO2Me   3-(3-furany1)-Ph   2553   3-F   SO2Me   3-(3-furany1)-Ph   2553   3-F   SO2Me   3-(3-furany1)-Ph   2554   3-F   SO2Me   2-(3-furany1)-Ph   2555   3-F   SO2Me   3-(3-furany1)-Ph   2556   3-F   SO2Me   3-(3-furany1)-Ph   2557   3-F   SO2Me   3-(3-furany1)-Ph   2558   3-F   SO2Me   3-(3-furany1)-Ph   2559   3-F   SO2Me   3-(3-furany1)-Ph   2560   3-F   SO2Me   3-(3-furany1)-Ph   2561   3-F   SO2Me   3-(3-furany1)-Ph   2563   3-F   SO2Me   3-(3-furany1)-Ph   2564   3-F   SO2Me   3-(3-furany1)-Ph   2565   3-F   SO2Me   3-(3-furany1)-Ph   2566   3-F   SO2Me   3-(3-furany1)-Ph   2566   3-F   SO2Me   3-(3-furany1)-Ph   2567   3-F   SO2Me   3-(3-furany1)-Ph   2568   3-F   SO2Me   3-(3-furany1)-Ph   2568   3-F   SO2Me   3-(3-furany1)-Ph   2568   3-F   SO2Me   3-(3-furany1)-Ph   2568   3-F   SO2Me   3-(3-furany1)-Ph   2569   3-F   SO2Me   3				
2540   3-F   SO2Me   2-(1-pyrazolyl)-Ph	2540   3-F   SO2Me   2-(3-pyrazolyl)-Ph   2541   3-F   SO2Me   2-(1-pyrazolyl)-Ph   2542   3-F   SO2Me   2-(1-me-5-tetrazolyl)-Ph   2543   3-F   SO2Me   2-(1-me-5-tetrazolyl)-Ph   2544   3-F   SO2Me   2-(2-pyridyl)-Ph   2545   3-F   SO2Me   2-(2-thienyl)-Ph   2545   3-F   SO2Me   2-(2-thienyl)-Ph   2546   3-F   SO2Me   2-(2-thienyl)-Ph   2547   3-F   SO2Me   2-(3-thienyl)-Ph   2548   3-F   SO2Me   2-(3-thienyl)-Ph   2549   3-F   SO2Me   2-(3-thienyl)-Ph   2549   3-F   SO2Me   2-(3-thienyl)-Ph   2549   3-F   SO2Me   2-(3-thienyl)-Ph   2550   3-F   SO2Me   3-(3-thienyl)-Ph   2551   3-F   SO2Me   3-(3-thienyl)-Ph   2552   3-F   SO2Me   3-(3-thienyl)-Ph   2553   3-F   SO2Me   2-(3-thienyl)-Ph   2554   3-F   SO2Me   2-(3-thienyl)-Ph   2555   3-F   SO2Me   3-(3-thienyl)-Ph   2556   3-F   SO2Me   3-(3-thienyl)-Ph   2557   3-F   SO2Me   3-(3-thienyl)-Ph   2560   3-F   SO2Me   3-(3-thienyl)-Ph   2561   3-F   SO2Me   3-(3-thienyl)-Ph   2563   3-F   SO2Me   3-(3-thienyl)-Ph   2566   3-F   SO2Me   3-(3-thienyl)-Ph   2566   3-F   SO2Me   3-(3-thienyl)-Ph   2566   3-F   SO2Me   3-(3-thienyl)-Ph   2567   3-F   SO2Me   2-meO-5-(0-me-5-tetrazolyl)-Ph   2568   3-F   SO2Me   2-meO-5-(1-me-5-tetrazolyl)-Ph   2569   3-F   SO2Me   2-meO				
2541   3-F   SO2Me	2541   3-F   SO2Me   2-(1-pyrazolyl)-Ph   2542   3-F   SO2Me   2-(5-Me-1-tetrazolyl)-Ph   2543   3-F   SO2Me   2-(1-Me-5-tetrazolyl)-Ph   2544   3-F   SO2Me   2-(2-pyridyl)-Ph   2545   3-F   SO2Me   2-(2-thienyl)-Ph   2546   3-F   SO2Me   2-(2-thienyl)-Ph   2547   3-F   SO2Me   2-(2-furanyl)-Ph   2548   3-F   SO2Me   2-(3-dif-Ph   2549   3-F   SO2Me   2-(3-dif-Ph   2549   3-F   SO2Me   2-(3-dif-Ph   2549   3-F   SO2Me   2-(3-dif-Ph   2550   3-F   SO2Me   2-(3-dif-Ph   2551   3-F   SO2Me   3-(3-dif-Ph   2551   3-F   SO2Me   3-(3-dif-Ph   2552   3-F   SO2Me   2-(3-dif-Ph   2553   3-F   SO2Me   2-(3-dif-Ph   2554   3-F   SO2Me   2-(3-dif-Ph   2555   3-F   SO2Me   2-(3-dif-Ph   2556   3-F   SO2Me   3-(3-dif-Ph   2556   3-F   SO2Me   3-(3-dif-Ph   2557   3-F   SO2Me   3-(3-dif-Ph   2557   3-F   SO2Me   3-(3-dif-Ph   2559   3-F   SO2Me   3-(3-dif-Ph   2559   3-F   SO2Me   3-(3-dif-Ph   2561   3-F   SO2Me   3-(3-dif-Ph   2561   3-F   SO2Me   3-(3-dif-Ph   2561   3-F   SO2Me   3-(3-dif-Ph   2563   3-F   SO2Me   3-(3-dif-Ph   2564   3-F   SO2Me   3-(3-dif-Ph   2566   3-F   SO2Me   3-(3-dif-Ph   2567   3-F   SO2Me   2-MeO-5-(CNH2-Ph   2566   3-F   SO2Me   2-MeO-5-(CNH2-Ph   2566   3-F   SO2Me   2-MeO-5-(CNH2-Ph   2567   3-F   SO2Me   2-MeO-5-(1-Me-5-tetrazolyl)-Ph   2568   3-F   SO2Me   2-MeO-5-(1-Me-5-tetrazolyl)-Ph   2569   3-F   SO2Me   2-MeO-5-(1-M				
2542 3-F SO2Me 2-(5-Me-1-tetrazoly1)-Ph 2543 3-F SO2Me 2-(1-Me-5-tetrazoly1)-Ph 2544 3-F SO2Me 2-(2-pyridy1)-Ph 2545 3-F SO2Me 2-(2-thieny1)-Ph 2546 3-F SO2Me 2-(2-thieny1)-Ph 2547 3-F SO2Me 2-(2-thieny1)-Ph 2548 3-F SO2Me 2,4-diF-Ph 2549 3-F SO2Me 2,5-diF-Ph 25549 3-F SO2Me 2,6-diF-Ph 25550 3-F SO2Me 3,4-diF-Ph 25551 3-F SO2Me 2,4-diCl-Ph 25552 3-F SO2Me 2,5-diCl-Ph 25553 3-F SO2Me 2,6-diCl-Ph 25554 3-F SO2Me 2,6-diCl-Ph 25555 3-F SO2Me 3,5-diCl-Ph 25556 3-F SO2Me 3,4-diCl-Ph 25557 3-F SO2Me 3,5-diCl-Ph 25558 3-F SO2Me 3,5-diCl-Ph 25550 3-F SO2Me 3,4-diCl-Ph 2556 3-F SO2Me 3,5-diCl-Ph 2556 3-F SO2Me 3,5-diCl-Ph 2557 3-F SO2Me 3,5-diCl-Ph 2558 3-F SO2Me 3,5-diCl-Ph 2559 3-F SO2Me 3,5-diCl-Ph 2559 3-F SO2Me 3,4-diCl-Ph 2560 3-F SO2Me 3,5-diCl-Ph 2561 3-F SO2Me 3,4-diCl-Ph 2562 3-F SO2Me 3,4-diCl-Ph 2563 3-F SO2Me 3,4-diCl-Ph 2563 3-F SO2Me 3-F-5-morpholino-Ph 2564 3-F SO2Me 3-F-5-morpholino-Ph 2565 3-F SO2Me 3,4-OCH2O-Ph 2566 3-F SO2Me 3,4-OCH2O-Ph 2567 3-F SO2Me 3,4-OCH2O-Ph 2568 3-F SO2Me 3-F-5-morpholino-Ph 2569 3-F SO2Me 2-MeO-5-(1-Me-5-tetrazoly1)-Ph 2569 3-F SO2Me 2-MeO-5-(1-Me-5-tetrazoly1)-Ph 2569 3-F SO2Me 2-MeO-5-(1-Me-5-tetrazoly1)-Ph 2569 3-F SO2Me 2-MeO-5-(1-Me-5-tetrazoly1)-Ph 2570 3-F SO2Me 2-maphthy1 2571 3-F SO2Me 2-maphthy1 2571 3-F SO2Me 2-maphthy1 2573 3-F SO2Me 3-CONH2-5-(1-Me-5-tetrazoly1)-Ph 2573 3-F SO2Me 2-pyridy1 2574 3-F SO2Me 3-conh2-5-(1-Me-5-tetrazoly1)-Ph 2575 3-F SO2Me 2-pyridy1 2577 3-F SO2Me 2-pyridy1 2578 3-F SO2Me 3-indoly1 2579 3-F SO2Me 3-indoly1 2582 3-F SO2Me 3-indazoly1 2583 3-F SO2Me 3-indazoly1 2585 3-F SO2Me 3-indazoly1 2585 3-F SO2Me 3-indazoly1 2585 3-F SO2Me 3-indazoly1 2586 3-F SO2Me 3-indazoly1 2586 3-F SO2Me 3-indazoly1 2587 3-F SO2Me 3-indazoly1 2588 3-F SO2Me 3-indazoly1 2586 3-F SO2Me 3-indazoly1 2586 3-F SO2Me 3-indazoly1 2586 3-F SO2Me 3-indazoly1 2586 3-F SO2Me 3-indazoly1 2587 3-F SO2Me 3-indazoly1 2588 3-F SO2Me 3-indazoly1 2588 3-F SO2Me 3-indazoly1 2588 3-F SO2Me 3-indazoly1	2542   3-F   SO2Me   2-(5-Me-1-tetrazoly1)-Ph   2543   3-F   SO2Me   2-(1-Me-5-tetrazoly1)-Ph   2544   3-F   SO2Me   2-(2-pyridy1)-Ph   2545   3-F   SO2Me   2-(2-thieny1)-Ph   2546   3-F   SO2Me   2-(2-thieny1)-Ph   2547   3-F   SO2Me   2,4-diF-Ph   2548   3-F   SO2Me   2,5-diF-Ph   2549   3-F   SO2Me   2,5-diF-Ph   2550   3-F   SO2Me   3,4-diF-Ph   2551   3-F   SO2Me   3,5-diF-Ph   2552   3-F   SO2Me   2,5-diC1-Ph   2553   3-F   SO2Me   2,5-diC1-Ph   2554   3-F   SO2Me   2,6-diC1-Ph   2555   3-F   SO2Me   2,6-diC1-Ph   2555   3-F   SO2Me   3,4-diC1-Ph   2556   3-F   SO2Me   3,4-diC1-Ph   2557   3-F   SO2Me   3,5-diC1-Ph   2558   3-F   SO2Me   3,5-diC1-Ph   2559   3-F   SO2Me   3,5-diCF3-Ph   2559   3-F   SO2Me   3,5-diCF3-Ph   2560   3-F   SO2Me   3,5-diCF3-Ph   2560   3-F   SO2Me   5-C1-2-MeO-Ph   2561   3-F   SO2Me   3-F-5-morpholino-Ph   2563   3-F   SO2Me   3,4-OCH2O-Ph   2564   3-F   SO2Me   3,4-OCH2O-Ph   2565   3-F   SO2Me   3,4-OCH2O-Ph   2566   3-F   SO2Me   3,4-OCH2O-Ph   2566   3-F   SO2Me   2-MeO-5-CONH2-Ph   2567   3-F   SO2Me   2-MeO-5-CONH2-Ph   2568   3-F   SO2Me   2-MeO-5-CONH2-Ph   2569   3-F   SO2Me   2-MeO-5-C1-Me-5-tetrazoly1)-P   2568   3-F   SO2Me   2-MeO-5-(1-Me-5-tetrazoly1)-P   2569   3-F   SO2Me   2-Me				
2543   3-F   SO2Me	2543   3-F   SO2Me   2-(1-Me-5-tetrazoly1)-Ph   2544   3-F   SO2Me   2-(2-pyridy1)-Ph   2545   3-F   SO2Me   2-(2-thieny1)-Ph   2546   3-F   SO2Me   2-(2-thieny1)-Ph   2546   3-F   SO2Me   2-(2-furany1)-Ph   2547   3-F   SO2Me   2,4-diF-Ph   2548   3-F   SO2Me   2,5-diF-Ph   2549   3-F   SO2Me   2,6-diF-Ph   2550   3-F   SO2Me   3,4-diF-Ph   2551   3-F   SO2Me   3,5-diF-Ph   2552   3-F   SO2Me   2,5-diC1-Ph   2553   3-F   SO2Me   2,6-diC1-Ph   2554   3-F   SO2Me   2,6-diC1-Ph   2555   3-F   SO2Me   2,6-diC1-Ph   2555   3-F   SO2Me   3,4-diCF3-Ph   2556   3-F   SO2Me   3,4-diCF3-Ph   2557   3-F   SO2Me   3,5-diCF3-Ph   2559   3-F   SO2Me   3,5-diCF3-Ph   2559   3-F   SO2Me   3,5-diCF3-Ph   2560   3-F   SO2Me   5-C1-2-Me-Ph   2561   3-F   SO2Me   5-C1-2-Me-Ph   2562   3-F   SO2Me   3,4-OCH2O-Ph   2563   3-F   SO2Me   3,4-OCH2O-Ph   2565   3-F   SO2Me   3,4-OCH2O-Ph   2565   3-F   SO2Me   2-MeO-5-CONH2-Ph   2566   3-F   SO2Me   2-MeO-5-CONH2-Ph   2567   3-F   SO2Me   2-MeO-5-CONH2-Ph   2568   3-F   SO2Me   2-MeO-5-CONH2-Ph   2569   3-F   SO2Me   2-MeO-5-(1-Me-5-tetrazoly1)-P   2567   3-F   SO2Me   2-MeO-5-(1-Me-5-tetrazoly1)-P   2569   3-F   SO2Me   2-MeO-5-(1-Me-5-tetrazoly1)-P				
2544   3-F   SO2Me	2544   3-F   SO2Me   2-(2-pyridy1)-Ph   2545   3-F   SO2Me   2-(2-thieny1)-Ph   2546   3-F   SO2Me   2-(2-furany1)-Ph   2547   3-F   SO2Me   2,4-diF-Ph   2548   3-F   SO2Me   2,5-diF-Ph   2549   3-F   SO2Me   2,6-diF-Ph   2550   3-F   SO2Me   3,4-diF-Ph   2551   3-F   SO2Me   3,5-diF-Ph   2552   3-F   SO2Me   2,4-diCl-Ph   2553   3-F   SO2Me   2,5-diCl-Ph   2554   3-F   SO2Me   2,5-diCl-Ph   2555   3-F   SO2Me   2,6-diCl-Ph   2555   3-F   SO2Me   2,6-diCl-Ph   2555   3-F   SO2Me   3,4-diCl-Ph   2556   3-F   SO2Me   3,4-diCl-Ph   2557   3-F   SO2Me   3,5-diCl-Ph   2557   3-F   SO2Me   3,5-diCF3-Ph   2558   3-F   SO2Me   3,5-diCF3-Ph   2559   3-F   SO2Me   3,5-diCF3-Ph   2560   3-F   SO2Me   5-Cl-2-MeO-Ph   2561   3-F   SO2Me   5-Cl-2-MeO-Ph   2563   3-F   SO2Me   3,4-OCH2O-Ph   2563   3-F   SO2Me   3,4-OCH2O-Ph   2564   3-F   SO2Me   3,4-OCH2O-Ph   2565   3-F   SO2Me   3,4-OCH2O-Ph   2566   3-F   SO2Me   2-MeO-5-CONH2-Ph   2567   3-F   SO2Me   2-MeO-5-CONH2-Ph   2568   3-F   SO2Me   2-MeO-5-CONH2-Ph   2567   3-F   SO2Me   2-MeO-5-(1-Me-5-tetrazoly1)-P   2568   3-F   SO2Me   2-MeO-5-(1-Me-5-tetrazoly1)-P   2569   3-F   SO2Me   2-MeO-5-(1-Me-5-tetrazoly1)-P   2569   3-F   SO2Me   2-MeO-5-(1-Me-5-tetrazoly1)-P   2567   3-F   SO2Me		3-F	SO2Me	
2545   3-F   SO2Me   2-(2-thienyl)-Ph   2546   3-F   SO2Me   2-(2-furanyl)-Ph   2548   3-F   SO2Me   2,4-dif-Ph   2548   3-F   SO2Me   2,5-dif-Ph   2549   3-F   SO2Me   2,6-dif-Ph   2559   3-F   SO2Me   3,4-dif-Ph   2551   3-F   SO2Me   3,5-dif-Ph   2551   3-F   SO2Me   2,6-dicl-Ph   2552   3-F   SO2Me   2,6-dicl-Ph   2553   3-F   SO2Me   2,6-dicl-Ph   2555   3-F   SO2Me   2,6-dicl-Ph   2555   3-F   SO2Me   3,4-dif-Ph   2555   3-F   SO2Me   3,4-dif-Ph   2555   3-F   SO2Me   3,4-dicl-Ph   2555   3-F   SO2Me   3,5-dicl-Ph   2556   3-F   SO2Me   3,5-dicl-Ph   2557   3-F   SO2Me   3,5-dicl-Ph   2558   3-F   SO2Me   3,5-dicl-Ph   2556   3-F   SO2Me   3,5-dicl-Ph   2556   3-F   SO2Me   3,5-dicl-Ph   2556   3-F   SO2Me   5-cl-2-Me-O-Ph   2560   3-F   SO2Me   5-cl-2-Me-O-Ph   2561   3-F   SO2Me   3-F-5-morpholino-Ph   2563   3-F   SO2Me   3,4-OCH2O-Ph   2564   3-F   SO2Me   3,4-OCH2O-Ph   2565   3-F   SO2Me   3,4-OCH2CH2O-Ph   2566   3-F   SO2Me   2-MeO-5-(ONH2-Ph   2566   3-F   SO2Me   2-MeO-5-(DNH2-Ph   2567   3-F   SO2Me   2-MeO-5-(t-Me-5-tetrazolyl)-Ph   2569   3-F   SO2Me   2-MeO-5-(t-Me-5-tetrazolyl)-Ph   2569   3-F   SO2Me   2-MeO-5-(t-Me-5-tetrazolyl)-Ph   2570   3-F   SO2Me   2-MeO-5-(t-Me-5-tetrazolyl)-Ph   2571   3-F   SO2Me   2-maphthyl   2	2545         3-F         SO2Me         2-(2-thieny1)-Ph           2546         3-F         SO2Me         2-(2-furany1)-Ph           2547         3-F         SO2Me         2,4-diF-Ph           2548         3-F         SO2Me         2,5-diF-Ph           2549         3-F         SO2Me         2,6-diF-Ph           2550         3-F         SO2Me         3,4-diF-Ph           2551         3-F         SO2Me         3,5-diF-Ph           2552         3-F         SO2Me         2,6-diCl-Ph           2553         3-F         SO2Me         2,6-diCl-Ph           2553         3-F         SO2Me         2,5-diCl-Ph           2554         3-F         SO2Me         2,6-diCl-Ph           2555         3-F         SO2Me         2,6-diCl-Ph           2554         3-F         SO2Me         3,4-diCl-Ph           2555         3-F         SO2Me         3,4-diCl-Ph           2556         3-F         SO2Me         3,5-diCl-Ph           2557         3-F         SO2Me         3,5-diCl-Ph           2557         3-F         SO2Me         3,5-diCl-Ph           2559         3-F         SO2Me         3,5-diCl-Ph <td></td> <td></td> <td>SO2Me</td> <td>2-(1-Me-5-tetrazolyl)-Ph</td>			SO2Me	2-(1-Me-5-tetrazolyl)-Ph
2546   3-F   SO2Me   2-(2-furany1)-Ph   2547   3-F   SO2Me   2,4-diF-Ph   2548   3-F   SO2Me   2,5-diF-Ph   2549   3-F   SO2Me   2,6-diF-Ph   2550   3-F   SO2Me   3,4-diF-Ph   2551   3-F   SO2Me   3,4-diF-Ph   2552   3-F   SO2Me   2,5-diF-Ph   2553   3-F   SO2Me   2,5-diCl-Ph   2553   3-F   SO2Me   2,5-diCl-Ph   2553   3-F   SO2Me   2,5-diCl-Ph   2555   3-F   SO2Me   3,4-diCl-Ph   2555   3-F   SO2Me   3,4-diCl-Ph   2556   3-F   SO2Me   3,4-diCF3-Ph   2557   3-F   SO2Me   3,5-diCF3-Ph   2559   3-F   SO2Me   3,5-diCF3-Ph   2559   3-F   SO2Me   3,5-diCF3-Ph   2559   3-F   SO2Me   3,5-diCF3-Ph   2559   3-F   SO2Me   3,5-diCF3-Ph   2550   3-F   SO2Me   3,5-diCF3-Ph   2560   3-F   SO2Me   3-F-5-morpholino-Ph   2561   3-F   SO2Me   2-F-5-Me-Ph   2562   3-F   SO2Me   3-F-5-morpholino-Ph   2563   3-F   SO2Me   3,4-OCH2O-Ph   2564   3-F   SO2Me   3,4-OCH2O-Ph   2566   3-F   SO2Me   3,4-OCH2O-Ph   2566   3-F   SO2Me   2-MeO-5-CONH2-Ph   2567   3-F   SO2Me   2-MeO-5-CONH2-Ph   2568   3-F   SO2Me   2-MeO-5-(1-Me-5-tetrazolyl)-Ph   2569   3-F   SO2Me   2-MeO-5-(1-Me-5-tetrazolyl)-Ph   2569   3-F   SO2Me   2-MeO-5-(1-Me-5-tetrazolyl)-Ph   2571   3-F   SO2Me   2-MeO-5-(1-Me-5-tetrazolyl)-Ph   2572   3-F   SO2Me   2-MeO-5-(1-Me-5-tetrazolyl)-Ph   2573   3-F   SO2Me   2-mohthyl   2571   3-F   SO2Me   2-mohthyl   2572   3-F   SO2Me   2-mohthyl   2573   3-F   SO2Me   2-mohthyl   2575   3-F   SO2Me   2-mohthyl   2576   3-F   SO2Me   2-mohthyl   2577   3-F   SO2Me   2-mohthyl   2578   3-F   SO2Me   2-mohthyl   2579   3-F   SO2Me   2-mohthyl   2579   3-F   SO2Me   2-mohthyl   2579   3-F   SO2Me   2-mohthyl   2578   3-F   SO2Me   2-mohthyl   25	2546         3-F         SO2Me         2-(2-furany1)-Ph           2547         3-F         SO2Me         2,4-diF-Ph           2548         3-F         SO2Me         2,5-diF-Ph           2549         3-F         SO2Me         2,6-diF-Ph           2550         3-F         SO2Me         3,4-diF-Ph           2551         3-F         SO2Me         2,4-diCl-Ph           2552         3-F         SO2Me         2,5-diCl-Ph           2553         3-F         SO2Me         2,6-diCl-Ph           2553         3-F         SO2Me         2,6-diCl-Ph           2554         3-F         SO2Me         2,6-diCl-Ph           2555         3-F         SO2Me         2,6-diCl-Ph           2555         3-F         SO2Me         3,4-diCF3-Ph           2555         3-F         SO2Me         3,5-diCF3-Ph           2558         3-F         SO2Me         3,4-diCF3-Ph           2559         3-F         SO2Me         3,5-diCF3-Ph           2559         3-F         SO2Me         3,5-diCF3-Ph           2559         3-F         SO2Me         3,5-diCF3-Ph           2560         3-F         SO2Me         3,5-diCF3-Ph				
2547   3-F   SO2Me   2,4-diF-Ph   2548   3-F   SO2Me   2,5-diF-Ph   25548   3-F   SO2Me   2,6-diF-Ph   2550   3-F   SO2Me   3,4-diF-Ph   2551   3-F   SO2Me   3,4-diF-Ph   2551   3-F   SO2Me   2,4-diCl-Ph   2552   3-F   SO2Me   2,5-diCl-Ph   2553   3-F   SO2Me   2,5-diCl-Ph   2555   3-F   SO2Me   2,5-diCl-Ph   2555   3-F   SO2Me   3,4-diCl-Ph   2555   3-F   SO2Me   3,4-diCF3-Ph   2556   3-F   SO2Me   3,4-diCF3-Ph   2557   3-F   SO2Me   3,5-diCF3-Ph   2558   3-F   SO2Me   3,5-diCF3-Ph   2558   3-F   SO2Me   3,5-diCF3-Ph   2558   3-F   SO2Me   3,5-diCF3-Ph   2558   3-F   SO2Me   5-Cl-2-Me-Ph   2560   3-F   SO2Me   5-Cl-2-Me-Ph   2561   3-F   SO2Me   3-F-5-morpholino-Ph   2562   3-F   SO2Me   3-F-5-morpholino-Ph   2563   3-F   SO2Me   3,4-OCH2O-Ph   2564   3-F   SO2Me   3,4-OCH2O-Ph   2565   3-F   SO2Me   3,4-OCH2O-Ph   2566   3-F   SO2Me   2-MeO-5-(ONH2-Ph   2566   3-F   SO2Me   2-MeO-5-(I-Me-5-tetrazolyl)-Ph   2567   3-F   SO2Me   2-MeO-5-(I-Me-5-tetrazolyl)-Ph   2569   3-F   SO2Me   2-MeO-5-(I-Me-5-tetrazolyl)-Ph   2569   3-F   SO2Me   2-MeO-5-(I-Me-5-tetrazolyl)-Ph   2570   3-F   SO2Me   2-maphthyl   2571   3-F   SO2Me   2-maphthyl   2571   3-F   SO2Me   2-maphthyl   2573   3-F   SO2Me   2-maphthyl   2574   3-F   SO2Me   2-maphthyl   2575   3-F   SO2Me   2-maphthyl   2576   3-F   SO2Me   2-maphthyl   2577   3-F   SO2Me   3-pyridyl   2578   3-F   SO2Me   3-pyridyl   2578   3-F   SO2Me   3-pyridyl   2579   3-F   SO2Me   3-pyridyl   2579   3-F   SO2Me   3-pyridyl   2579   3-F   SO2Me   3-indazolyl   2581   3-F   SO2Me   3-indazolyl   2581   3-F   SO2Me   3-indazolyl   2584   3-F   SO2Me   3-indazolyl   2584   3-F   SO2Me   3-indazolyl   2586   3-F   SO2Me   3-indazolyl	2547         3-F         SO2Me         2,4-dif-Ph           2548         3-F         SO2Me         2,5-dif-Ph           2549         3-F         SO2Me         2,6-dif-Ph           2550         3-F         SO2Me         3,4-dif-Ph           2551         3-F         SO2Me         3,5-dif-Ph           2552         3-F         SO2Me         2,4-diCl-Ph           2553         3-F         SO2Me         2,6-diCl-Ph           2554         3-F         SO2Me         2,6-diCl-Ph           2555         3-F         SO2Me         3,4-diCl-Ph           2556         3-F         SO2Me         3,5-diCl-Ph           2557         3-F         SO2Me         3,5-diCl-Ph           2558         3-F         SO2Me         3,5-diCl-Ph           2558         3-F         SO2Me         3,5-diCl-Ph           2558         3-F         SO2Me         3,5-diCl-Ph           2559         3-F         SO2Me         3,5-diCl-Ph           2559         3-F         SO2Me         3,5-diCl-Ph           2560         3-F         SO2Me         3,5-diCl-Ph           2561         3-F         SO2Me         3,5-diCl-Ph <td>2545</td> <td>3-F</td> <td>SO2Me</td> <td>2-(2-thienyl)-Ph</td>	2545	3-F	SO2Me	2-(2-thienyl)-Ph
2548   3-F   SO2Me   2,5-diF-Ph   25549   3-F   SO2Me   2,6-diF-Ph   2550   3-F   SO2Me   3,4-diF-Ph   2551   3-F   SO2Me   3,5-diF-Ph   2552   3-F   SO2Me   2,4-diCl-Ph   2553   3-F   SO2Me   2,5-diCl-Ph   2554   3-F   SO2Me   2,6-diCl-Ph   2555   3-F   SO2Me   2,6-diCl-Ph   2555   3-F   SO2Me   3,4-diCl-Ph   2556   3-F   SO2Me   3,4-diCl-Ph   2557   3-F   SO2Me   3,4-diCl-Ph   2558   3-F   SO2Me   3,5-diCl-Ph   2559   3-F   SO2Me   3,5-diCF3-Ph   2559   3-F   SO2Me   3,5-diCF3-Ph   2559   3-F   SO2Me   3,5-diCF3-Ph   2560   3-F   SO2Me   5-Cl-2-Me-Ph   2561   3-F   SO2Me   5-Cl-2-Me-Ph   2562   3-F   SO2Me   3-F-5-morpholino-Ph   2563   3-F   SO2Me   3,4-OCH2O-Ph   2564   3-F   SO2Me   3,4-OCH2O-Ph   2565   3-F   SO2Me   3,4-OCH2CH2O-Ph   2566   3-F   SO2Me   2-MeO-5-(CONH2-Ph   2567   3-F   SO2Me   2-MeO-5-(1-Me-5-tetrazolyl)-Ph   2568   3-F   SO2Me   2-MeO-5-(1-Me-5-tetrazolyl)-Ph   2569   3-F   SO2Me   2-MeO-5-(1-Me-5-tetrazolyl)-Ph   2570   3-F   SO2Me   2-MeO-5-(1-Me-5-tetrazolyl)-Ph   2571   3-F   SO2Me   2-MeO-5-(1-Me-5-tetrazolyl)-Ph   2572   3-F   SO2Me   2-meD-5-(1-Me-5-tetrazolyl)-Ph   2573   3-F   SO2Me   2-meD-5-(1-Me-5-tetrazolyl)-Ph   2574   3-F   SO2Me   2-meD-5-(1-Me-5-tetrazolyl)-Ph   2575   3-F   SO2Me   2-meD-5-(1-Me-5-tetrazolyl)-Ph   2576   3-F   SO2Me   2-meD-5-(1-Me-5-tetrazolyl)-Ph   2578   3-F	2548         3-F         SO2Me         2,5-diF-Ph           2549         3-F         SO2Me         2,6-diF-Ph           2550         3-F         SO2Me         3,4-diF-Ph           2551         3-F         SO2Me         3,5-diF-Ph           2552         3-F         SO2Me         2,4-diCl-Ph           2553         3-F         SO2Me         2,5-diCl-Ph           2554         3-F         SO2Me         2,6-diCl-Ph           2555         3-F         SO2Me         3,4-diCl-Ph           2556         3-F         SO2Me         3,5-diCl-Ph           2557         3-F         SO2Me         3,5-diCl-Ph           2558         3-F         SO2Me         3,5-diCl-Ph           2558         3-F         SO2Me         3,5-diCl-Ph           2559         3-F         SO2Me         3,5-diCl-Ph           2559         3-F         SO2Me         3,5-diCl-Ph           2559         3-F         SO2Me         3,5-diCl-Ph           2560         3-F         SO2Me         3,5-diCl-Ph           2561         3-F         SO2Me         3,5-diCl-Ph           2562         3-F         SO2Me         3,5-diCl-Ph </td <td>2546</td> <td>3-F</td> <td>SO2Me</td> <td>2-(2-furany1)-Ph</td>	2546	3-F	SO2Me	2-(2-furany1)-Ph
2549   3-F   SO2Me   2,6-diF-Ph   2550   3-F   SO2Me   3,4-diF-Ph   2551   3-F   SO2Me   3,5-diF-Ph   2552   3-F   SO2Me   2,5-diCl-Ph   2553   3-F   SO2Me   2,5-diCl-Ph   2554   3-F   SO2Me   2,6-diCl-Ph   2555   3-F   SO2Me   2,6-diCl-Ph   2556   3-F   SO2Me   3,4-diCF-Ph   2557   3-F   SO2Me   3,4-diCF-Ph   2556   3-F   SO2Me   3,5-diCF-Ph   2557   3-F   SO2Me   3,5-diCF-Ph   2559   3-F   SO2Me   3,5-diCF-Ph   2559   3-F   SO2Me   3,5-diCF-Ph   2559   3-F   SO2Me   3,5-diCF-Ph   2560   3-F   SO2Me   3-F-5-morpholino-Ph   2561   3-F   SO2Me   3-F-5-morpholino-Ph   2562   3-F   SO2Me   3-F-5-morpholino-Ph   2563   3-F   SO2Me   3,4-OCH2O-Ph   2564   3-F   SO2Me   3,4-OCH2O-Ph   2565   3-F   SO2Me   3,4-OCH2O-Ph   2566   3-F   SO2Me   2-MeO-5-(1-Me-5-tetrazoly1)-Ph   2567   3-F   SO2Me   2-MeO-5-(1-Me-5-tetrazoly1)-Ph   2568   3-F   SO2Me   2-MeO-5-(1-Me-5-tetrazoly1)-Ph   2569   3-F   SO2Me   2-maphthy1   2570   3-F   SO2Me   2-maphthy1   2571   3-F   SO2Me   2-thieny1   2573   3-F   SO2Me   2-thieny1   2574   3-F   SO2Me   2-thieny1   2575   3-F   SO2Me   2-thieny1   2576   3-F   SO2Me   2-thieny1   2577   3-F   SO2Me   2-pyridy1   2578   3-F   SO2Me   2-pyridy1   2577   3-F   SO2Me   2-pyridy1   2578   3-F   SO2Me   2-pyridy1   2578   3-F   SO2Me   2-pyridy1   2578   3-F   SO2Me   3-indoly1   2580   3-F   SO2Me   3-indoly1   2581   3-F   SO2Me   3-indoly1   2582   3-F   SO2Me   3-indoly1   2583   3-F   SO2Me   3-indoly1   2584   3-F   SO2Me   3-indoly1   2584   3-F   SO2Me   3-indoly1   2586   3-F   SO2Me   3-indoly1   2	2549         3-F         SO2Me         2,6-diF-Ph           2550         3-F         SO2Me         3,4-diF-Ph           2551         3-F         SO2Me         3,5-diF-Ph           2552         3-F         SO2Me         2,4-diCl-Ph           2553         3-F         SO2Me         2,5-diCl-Ph           2554         3-F         SO2Me         2,6-diCl-Ph           2555         3-F         SO2Me         3,4-diCl-Ph           2556         3-F         SO2Me         3,5-diCl-Ph           2557         3-F         SO2Me         3,4-diCF3-Ph           2558         3-F         SO2Me         3,5-diCF3-Ph           2558         3-F         SO2Me         3,5-diCF3-Ph           2559         3-F         SO2Me         3,5-diCF3-Ph           2559         3-F         SO2Me         3,5-diCF3-Ph           2560         3-F         SO2Me         3,5-diCF3-Ph           2561         3-F         SO2Me         3,5-diCF3-Ph           2561         3-F         SO2Me         3,5-diCF3-Ph           2562         3-F         SO2Me         3-F-Semorpholino-Ph           2563         3-F         SO2Me         3,4-OC	2547		SO2Me	2,4-diF-Ph
2549   3-F   SO2Me   2,6-diF-Ph   2550   3-F   SO2Me   3,4-diF-Ph   2551   3-F   SO2Me   3,5-diF-Ph   2552   3-F   SO2Me   2,5-diCl-Ph   2553   3-F   SO2Me   2,5-diCl-Ph   2554   3-F   SO2Me   2,5-diCl-Ph   2555   3-F   SO2Me   2,6-diCl-Ph   2555   3-F   SO2Me   3,4-diCF-Ph   2556   3-F   SO2Me   3,4-diCF-Ph   2557   3-F   SO2Me   3,5-diCF-Ph   2557   3-F   SO2Me   3,5-diCF-Ph   2557   3-F   SO2Me   3,5-diCF-Ph   2559   3-F   SO2Me   3,5-diCF-Ph   2559   3-F   SO2Me   3,5-diCF-Ph   2559   3-F   SO2Me   3-F-2-Me-Ph   2561   3-F   SO2Me   2-F-5-Me-Ph   2562   3-F   SO2Me   3-F-5-morpholino-Ph   2563   3-F   SO2Me   3,4-OCH2O-Ph   2564   3-F   SO2Me   3,4-OCH2O-Ph   2565   3-F   SO2Me   3,4-OCH2O-Ph   2566   3-F   SO2Me   2-MeO-5-(1-Me-5-tetrazoly1)-Ph   2567   3-F   SO2Me   2-MeO-5-(1-Me-5-tetrazoly1)-Ph   2568   3-F   SO2Me   2-MeO-5-(1-Me-5-tetrazoly1)-Ph   2569   3-F   SO2Me   2-maphthy1   2570   3-F   SO2Me   2-maphthy1   2571   3-F   SO2Me   2-thieny1   2573   3-F   SO2Me   2-thieny1   2574   3-F   SO2Me   2-thieny1   2575   3-F   SO2Me   2-thieny1   2576   3-F   SO2Me   2-thieny1   2577   3-F   SO2Me   3-thieny1   2578   3-F   SO2Me   3-thieny1   2577   3-F   SO2Me   3-thieny1   2578   3-F   SO2M	2549         3-F         SO2Me         2,6-diF-Ph           2550         3-F         SO2Me         3,4-diF-Ph           2551         3-F         SO2Me         3,5-diF-Ph           2552         3-F         SO2Me         2,4-diCl-Ph           2553         3-F         SO2Me         2,5-diCl-Ph           2554         3-F         SO2Me         2,6-diCl-Ph           2555         3-F         SO2Me         3,4-diCl-Ph           2556         3-F         SO2Me         3,5-diCl-Ph           2557         3-F         SO2Me         3,4-diCF3-Ph           2558         3-F         SO2Me         3,5-diCF3-Ph           2558         3-F         SO2Me         3,5-diCF3-Ph           2559         3-F         SO2Me         3,5-diCF3-Ph           2559         3-F         SO2Me         3,5-diCF3-Ph           2560         3-F         SO2Me         3,5-diCF3-Ph           2561         3-F         SO2Me         3,5-diCF3-Ph           2561         3-F         SO2Me         3,5-diCF3-Ph           2562         3-F         SO2Me         3-F-SMe-Ph           2563         3-F         SO2Me         3-F-S-Me-Ph <td>2548</td> <td>3-F</td> <td>SO2Me</td> <td>2,5-diF-Ph</td>	2548	3-F	SO2Me	2,5-diF-Ph
2550   3-F   SO2Me   3,4-dif-Ph   2551   3-F   SO2Me   2,4-diCl-Ph   2553   3-F   SO2Me   2,5-diCl-Ph   2553   3-F   SO2Me   2,5-diCl-Ph   2554   3-F   SO2Me   2,6-diCl-Ph   2555   3-F   SO2Me   3,4-diCl-Ph   2555   3-F   SO2Me   3,4-diCl-Ph   2556   3-F   SO2Me   3,4-diCf3-Ph   2557   3-F   SO2Me   3,5-diCf3-Ph   2558   3-F   SO2Me   3,5-diCf3-Ph   2559   3-F   SO2Me   3,5-diCf3-Ph   2559   3-F   SO2Me   5-Cl-2-MeO-Ph   2560   3-F   SO2Me   2-F-5-Me-Ph   2561   3-F   SO2Me   3-F-5-morpholino-Ph   2562   3-F   SO2Me   3,4-OCH2O-Ph   2563   3-F   SO2Me   3,4-OCH2O-Ph   2564   3-F   SO2Me   3,4-OCH2O-Ph   2565   3-F   SO2Me   3,4-OCH2O-Ph   2566   3-F   SO2Me   2-MeO-5-CONH2-Ph   2567   3-F   SO2Me   2-MeO-5-CONH2-Ph   2568   3-F   SO2Me   2-MeO-5-(1-Me-5-tetrazolyl)-Ph   2569   3-F   SO2Me   3-CONH2-5-(1-Me-5-tetrazolyl)-Ph   2569   3-F   SO2Me   3-CONH2-5-(1-Me-5-tetrazolyl)-Ph   2570   3-F   SO2Me   3-CONH2-5-(1-Me-5-tetrazolyl)-Ph   2571   3-F   SO2Me   2-naphthyl   2572   3-F   SO2Me   2-naphthyl   2573   3-F   SO2Me   3-thienyl   2574   3-F   SO2Me   3-thienyl   2575   3-F   SO2Me   3-furanyl   2576   3-F   SO2Me   3-furanyl   2577   3-F   SO2Me   3-furanyl   2577   3-F   SO2Me   3-furanyl   2578   3-F   SO2Me   3-furanyl   2579   3-F   SO2Me   3-furanyl   2578   2550         3-F         SO2Me         3,4-diF-Ph           2551         3-F         SO2Me         3,5-diF-Ph           2552         3-F         SO2Me         2,4-diCl-Ph           2553         3-F         SO2Me         2,5-diCl-Ph           2554         3-F         SO2Me         2,6-diCl-Ph           2555         3-F         SO2Me         3,4-diCl-Ph           2556         3-F         SO2Me         3,5-diCl-Ph           2557         3-F         SO2Me         3,5-diCl-Ph           2558         3-F         SO2Me         3,5-diCl-Ph           2558         3-F         SO2Me         3,5-diCl-Ph           2558         3-F         SO2Me         3,5-diCl-Ph           2559         3-F         SO2Me         3,5-diCl-Ph           2559         3-F         SO2Me         3,5-diCl-Ph           2560         3-F         SO2Me         3,5-diCl-Ph           2560         3-F         SO2Me         3,5-diCl-Ph           2561         3-F         SO2Me         3,5-diCl-Ph           2562         3-F         SO2Me         3,5-diCl-Ph           2563         3-F         SO2Me         3,5-diCl-Ph	2549	3-F	SO2Me		
2551   3-F   SO2Me   2,4-diCl-Ph   2552   3-F   SO2Me   2,4-diCl-Ph   2554   3-F   SO2Me   2,5-diCl-Ph   2554   3-F   SO2Me   2,6-diCl-Ph   2555   3-F   SO2Me   3,4-diCl-Ph   2555   3-F   SO2Me   3,4-diCl-Ph   2556   3-F   SO2Me   3,4-diCF3-Ph   2557   3-F   SO2Me   3,5-diCF3-Ph   2558   3-F   SO2Me   3,5-diCF3-Ph   2559   3-F   SO2Me   3,5-diCF3-Ph   2559   3-F   SO2Me   5-Cl-2-MeO-Ph   2560   3-F   SO2Me   5-Cl-2-MeO-Ph   2561   3-F   SO2Me   3-F-5-morpholino-Ph   2562   3-F   SO2Me   3-F-5-morpholino-Ph   2563   3-F   SO2Me   3,4-OCH2CH2O-Ph   2564   3-F   SO2Me   3,4-OCH2CH2O-Ph   2565   3-F   SO2Me   2-MeO-5-CONH2-Ph   2566   3-F   SO2Me   2-MeO-5-(1-Me-5-tetrazoly1)-Ph   2567   3-F   SO2Me   3-CONH2-5-(1-Me-5-tetrazoly1)-Ph   2569   3-F   SO2Me   3-CONH2-5-(1-Me-5-tetrazoly1)-Ph   2570   3-F   SO2Me   2-naphthy1   2571   3-F   SO2Me   2-naphthy1   2571   3-F   SO2Me   2-thieny1   2573   3-F   SO2Me   2-thieny1   2574   3-F   SO2Me   2-thieny1   2575   3-F   SO2Me   2-furany1   2576   3-F   SO2Me   3-thieny1   2577   3-F   SO2Me   3-thieny1   2578   3-F   SO2Me   3-thieny1   2576   3-F   SO2Me   3-thieny1   2577   3-F   SO2Me   3-thieny1   2578   3-F   SO2Me   3-pyridy1   2578   3-F   SO2Me   3-indoly1   2578   3-F   SO2Me   3-indoly1   2578   3-F   SO2Me   3-indoly1   2581   3-F   SO2Me   3-indazoly1   2582   3-F   SO2Me   3-indazoly1   2583   3-F   SO2Me   3-indazoly1   2584   3-F   SO2Me   3-indazoly1   2584   3-F   SO2Me   3-indazoly1   2584   3-F   SO2Me   3-indazoly1   2586   3-F   S	2551         3-F         SO2Me         3,5-diF-Ph           2552         3-F         SO2Me         2,4-diCl-Ph           2553         3-F         SO2Me         2,5-diCl-Ph           2554         3-F         SO2Me         2,6-diCl-Ph           2555         3-F         SO2Me         3,4-diCl-Ph           2556         3-F         SO2Me         3,5-diCl-Ph           2557         3-F         SO2Me         3,5-diCF3-Ph           2558         3-F         SO2Me         3,5-diCF3-Ph           2558         3-F         SO2Me         3,5-diCF3-Ph           2559         3-F         SO2Me         3,5-diCF3-Ph           2559         3-F         SO2Me         3,5-diCF3-Ph           2558         3-F         SO2Me         3,5-diCF3-Ph           2559         3-F         SO2Me         3,5-diCF3-Ph           2560         3-F         SO2Me         2-F-5-Me-Ph           2561         3-F         SO2Me         3-F-5-Me-Ph           2562         3-F         SO2Me         3-F-5-morpholino-Ph           2563         3-F         SO2Me         3,4-OCH2CH2O-Ph           2565         3-F         SO2Me         2				
2552   3-F   SO2Me   2,4-diCl-Ph   2553   3-F   SO2Me   2,5-diCl-Ph   2554   3-F   SO2Me   2,6-diCl-Ph   2555   3-F   SO2Me   3,4-diCl-Ph   2555   3-F   SO2Me   3,4-diCl-Ph   2556   3-F   SO2Me   3,4-diCF3-Ph   2557   3-F   SO2Me   3,5-diCF3-Ph   2558   3-F   SO2Me   3,5-diCF3-Ph   2559   3-F   SO2Me   3,5-diCF3-Ph   2559   3-F   SO2Me   5-Cl-2-Me-Ph   2560   3-F   SO2Me   3-F-5-me-Ph   2561   3-F   SO2Me   3-F-5-me-Ph   2562   3-F   SO2Me   3-F-5-me-Ph   2563   3-F   SO2Me   3-F-5-me-Ph   2564   3-F   SO2Me   3,4-OCH2CH2O-Ph   2565   3-F   SO2Me   3,4-OCH2CH2O-Ph   2566   3-F   SO2Me   2-MeO-5-CONH2-Ph   2566   3-F   SO2Me   2-MeO-5-(1-Me-5-tetrazoly1)-Ph   2567   3-F   SO2Me   3-CONH2-5-(1-Me-5-tetrazoly1)-Ph   2569   3-F   SO2Me   3-CONH2-5-(1-Me-5-tetrazoly1)-Ph   2569   3-F   SO2Me   3-CONH2-5-(1-Me-5-tetrazoly1)-Ph   2570   3-F   SO2Me   2-meD-1-(1-Me-1-tetrazoly1)-Ph   2571   3-F   SO2Me   2-meD-1-(1-Me-1-tetrazoly1)-Ph   2572   3-F   SO2Me   3-thieny1   2573   3-F   SO2Me   3-thieny1   2574   3-F   SO2Me   3-thieny1   2575   3-F   SO2Me   3-thieny1   2576   3-F   SO2Me   3-thieny1   2577   3-F   SO2Me   3-thieny1   2578   3-F   SO2Me   3-pyridy1   2579   3-F   SO2Me   3-pyridy1   2579   3-F   SO2Me   3-pyridy1   2579   3-F   SO2Me   3-indoly1   2580   3-F   SO2Me   3-indoly1   2580   3-F   SO2Me   3-indazoly1   2581   3-F   SO2Me   3-indazoly1   2582   3-F   SO2Me   3-indazoly1   2584   3-F   SO2Me   3-indazoly1   2584   3-F   SO2Me   3-indazoly1   2586   3-F   SO2Me   3-indazoly1   2587   3-F   SO2Me   3-indazoly1   2586   3-F   SO2Me   3-indazoly1   258	2552         3-F         SO2Me         2,4-diCl-Ph           2553         3-F         SO2Me         2,5-diCl-Ph           2554         3-F         SO2Me         2,6-diCl-Ph           2555         3-F         SO2Me         3,4-diCl-Ph           2556         3-F         SO2Me         3,5-diCl-Ph           2557         3-F         SO2Me         3,5-diCf3-Ph           2558         3-F         SO2Me         3,5-diCf3-Ph           2559         3-F         SO2Me         3,5-diCf3-Ph           2559         3-F         SO2Me         3,5-diCf3-Ph           2560         3-F         SO2Me         5-Cl-2-MeO-Ph           2561         3-F         SO2Me         2-F-5-Me-Ph           2562         3-F         SO2Me         3,4-OCH2O-Ph           2563         3-F         SO2Me         3,4-OCH2O-Ph           2564         3-F         SO2Me         3,4-OCH2CH2O-Ph           2565         3-F         SO2Me         2-MeO-5-CONH2-Ph           2566         3-F         SO2Me         2-MeO-5-(1-Me-5-tetrazoly1)-P           2568         3-F         SO2Me         1-naphthy1           2570         3-F         SO2Me <td></td> <td></td> <td></td> <td></td>				
2553   3-F   SO2Me   2,5-diCl-Ph   2554   3-F   SO2Me   2,6-diCl-Ph   2555   3-F   SO2Me   3,4-diCl-Ph   2556   3-F   SO2Me   3,4-diCF3-Ph   2557   3-F   SO2Me   3,5-diCF3-Ph   2557   3-F   SO2Me   3,5-diCF3-Ph   2558   3-F   SO2Me   3,5-diCF3-Ph   2558   3-F   SO2Me   3,5-diCF3-Ph   2559   3-F   SO2Me   5-Cl-2-MeO-Ph   2560   3-F   SO2Me   3-F-5-morpholino-Ph   2561   3-F   SO2Me   3-F-5-morpholino-Ph   2563   3-F   SO2Me   3,4-OCH2O-Ph   2564   3-F   SO2Me   3,4-OCH2O-Ph   2565   3-F   SO2Me   3,4-OCH2CH2O-Ph   2566   3-F   SO2Me   2-MeO-5-CONH2-Ph   2566   3-F   SO2Me   2-MeO-5-CONH2-Ph   2567   3-F   SO2Me   2-MeO-5-(1-Me-5-tetrazoly1)-Ph   2568   3-F   SO2Me   3-CONH2-5-(1-Me-5-tetrazoly1)-Ph   2569   3-F   SO2Me   3-CONH2-5-(1-Me-5-tetrazoly1)-Ph   2570   3-F   SO2Me   2-naphthy1   2571   3-F   SO2Me   2-naphthy1   2572   3-F   SO2Me   3-thieny1   2573   3-F   SO2Me   3-thieny1   2574   3-F   SO2Me   3-thieny1   2576   3-F   SO2Me   3-thieny1   2576   3-F   SO2Me   3-thieny1   2576   3-F   SO2Me   3-furany1   2576   3-F   SO2Me   3-furany1   2578   3-F   SO2Me   3-pyridy1   2578   3-F   SO2Me   3-indoly1   2578   3-F   SO2Me   3-indoly1   2578   3-F   SO2Me   3-indoly1   2580   3-F   SO2Me   3-indazoly1   2581   3-F   SO2Me   3-indazoly1   2582   3-F   SO2Me   3-indazoly1   2584   3-F   SO2Me   3-indazoly1   2584   3-F   SO2Me   3-indazoly1   2586   3	2553 3-F SO2Me 2,5-diCl-Ph 2554 3-F SO2Me 2,6-diCl-Ph 2555 3-F SO2Me 3,4-diCl-Ph 2556 3-F SO2Me 3,5-diCl-Ph 2557 3-F SO2Me 3,5-diCf3-Ph 2558 3-F SO2Me 3,5-diCf3-Ph 2559 3-F SO2Me 5-Cl-2-MeO-Ph 2560 3-F SO2Me 2-F-5-Me-Ph 2561 3-F SO2Me 3-F-5-morpholino-Ph 2562 3-F SO2Me 3,4-OCH2O-Ph 2563 3-F SO2Me 3,4-OCH2O-Ph 2564 3-F SO2Me 2-MeO-5-CONH2-Ph 2565 3-F SO2Me 2-MeO-5-(1-Me-5-tetrazolyl)-P 2567 3-F SO2Me 2-MeO-5-(1-Me-5-tetrazolyl)-P 2568 3-F SO2Me 3-CONH2-5-(1-Me-5-tetrazolyl)-P 2569 3-F SO2Me 1-naphthyl 2570 3-F SO2Me 2-naphthyl 2571 3-F SO2Me 2-thienyl 2572 3-F SO2Me 3-thienyl				
2554   3-F   SO2Me   2,6-diCl-Ph   2555   3-F   SO2Me   3,4-diCl-Ph   2556   3-F   SO2Me   3,5-diCl-Ph   2557   3-F   SO2Me   3,5-diCl-Ph   2557   3-F   SO2Me   3,4-diCF3-Ph   2558   3-F   SO2Me   3,5-diCF3-Ph   2558   3-F   SO2Me   5-Cl-2-MeO-Ph   2560   3-F   SO2Me   5-Cl-2-Me-Ph   2561   3-F   SO2Me   3-F-5-morpholino-Ph   2562   3-F   SO2Me   3-F-5-morpholino-Ph   2563   3-F   SO2Me   3,4-OCH2O-Ph   2564   3-F   SO2Me   3,4-OCH2CH2O-Ph   2565   3-F   SO2Me   2-MeO-5-CONH2-Ph   2566   3-F   SO2Me   2-MeO-5-(1-Me-5-tetrazoly1)-Ph   2567   3-F   SO2Me   2-MeO-5-(1-Me-5-tetrazoly1)-Ph   2568   3-F   SO2Me   2-MeO-5-(1-Me-5-tetrazoly1)-Ph   2569   3-F   SO2Me   3-CONH2-5-(1-Me-5-tetrazoly1)-Ph   2569   3-F   SO2Me   3-CONH2-5-(1-Me-5-tetrazoly1)-Ph   2570   3-F   SO2Me   2-naphthy1   2571   3-F   SO2Me   2-naphthy1   2571   3-F   SO2Me   2-naphthy1   2573   3-F   SO2Me   2-thieny1   2574   3-F   SO2Me   2-thieny1   2576   3-F   SO2Me   3-thieny1   2576   3-F   SO2Me   3-furany1   2576   3-F   SO2Me   3-pyridy1   2577   3-F   SO2Me   3-pyridy1   2578   3-F   SO2Me   3-pyridy1   2579   3-F   SO2Me   3-pyridy1   2579   3-F   SO2Me   3-pindoly1   2579   3-F   SO2Me   3-indoly1   2580   3-F   SO2Me   3-indazoly1   2581   3-F   SO2Me   3-indazoly1   2583   3-F   SO2Me   3-indazoly1   2584   3-F   SO2Me   3-indazoly1   2584   3-F   SO2Me   3-indazoly1   2586   3-F   SO2Me   3-indazoly1   2587   3-F	2554 3-F SO2Me 3,4-diCl-Ph 2555 3-F SO2Me 3,5-diCl-Ph 2556 3-F SO2Me 3,5-diCl-Ph 2557 3-F SO2Me 3,4-diCF3-Ph 2558 3-F SO2Me 3,5-diCF3-Ph 2559 3-F SO2Me 5-Cl-2-MeO-Ph 2560 3-F SO2Me 2-F-5-Me-Ph 2561 3-F SO2Me 3-F-5-morpholino-Ph 2562 3-F SO2Me 3,4-OCH2O-Ph 2563 3-F SO2Me 3,4-OCH2O-Ph 2564 3-F SO2Me 2-MeO-5-CONH2-Ph 2565 3-F SO2Me 2-MeO-5-(1-Me-5-tetrazolyl)-P 2567 3-F SO2Me 2-MeO-5-(1-Me-5-tetrazolyl)-P 2568 3-F SO2Me 3-CONH2-5-(1-Me-5-tetrazolyl)-P 2569 3-F SO2Me 1-naphthyl 2570 3-F SO2Me 2-naphthyl 2571 3-F SO2Me 2-thienyl 2572 3-F SO2Me 3-thienyl				
2555   3-F   SO2Me   3,4-diCl-Ph   2556   3-F   SO2Me   3,5-diCl-Ph   2557   3-F   SO2Me   3,5-diCF3-Ph   2558   3-F   SO2Me   3,5-diCF3-Ph   2558   3-F   SO2Me   3,5-diCF3-Ph   2559   3-F   SO2Me   5-Cl-2-MeO-Ph   2560   3-F   SO2Me   2-F-5-Me-Ph   2561   3-F   SO2Me   3-F-5-morpholino-Ph   2563   3-F   SO2Me   3,4-OCH2O-Ph   2564   3-F   SO2Me   3,4-OCH2CH2O-Ph   2565   3-F   SO2Me   2-MeO-5-CONH2-Ph   2566   3-F   SO2Me   2-MeO-5-CONH2-Ph   2566   3-F   SO2Me   2-MeO-5-(1-Me-5-tetrazolyl)-Ph   2568   3-F   SO2Me   2-MeO-5-(1-Me-5-tetrazolyl)-Ph   2569   3-F   SO2Me   2-MeO-5-(1-Me-5-tetrazolyl)-Ph   2569   3-F   SO2Me   2-naphthyl   2570   3-F   SO2Me   2-naphthyl   2571   3-F   SO2Me   2-naphthyl   2572   3-F   SO2Me   2-thienyl   2573   3-F   SO2Me   3-thienyl   2574   3-F   SO2Me   3-furanyl   2576   3-F   SO2Me   3-furanyl   2578   3-F   SO2Me   3-pyridyl   2579   3-F   SO2Me   3-pyridyl   2579   3-F   SO2Me   3-indolyl   2579   3-F   SO2Me   3-indolyl   2580   3-F   SO2Me   3-indolyl   2581   3-F   SO2Me   3-indolyl   2582   3-F   SO2Me   3-indazolyl   2583   3-F   SO2Me   3-indazolyl   2584   3-F   SO2Me   3-indazolyl   2585   3-F   SO2Me   3-indazolyl   2586   3-F   SO2Me   3-isoxazoyl   2587   3-F   SO2Me   3-isoxazoyl   3-isoxazoyl   2587   3-F   SO2Me   3-isoxazoyl   3-isoxazoyl   3-	2555         3-F         SO2Me         3,4-diC1-Ph           2556         3-F         SO2Me         3,5-diC1-Ph           2557         3-F         SO2Me         3,4-diCF3-Ph           2558         3-F         SO2Me         3,5-diCF3-Ph           2559         3-F         SO2Me         5-C1-2-MeO-Ph           2560         3-F         SO2Me         2-F-5-Me-Ph           2561         3-F         SO2Me         3-F-5-morpholino-Ph           2563         3-F         SO2Me         3,4-OCH2O-Ph           2564         3-F         SO2Me         3,4-OCH2CH2O-Ph           2565         3-F         SO2Me         2-MeO-5-CONH2-Ph           2566         3-F         SO2Me         2-MeO-5-tetrazolyl)-P           2567         3-F         SO2Me         2-MeO-5-(1-Me-5-tetrazolyl)-P           2568         3-F         SO2Me         3-CONH2-5-(1-Me-5-tetrazolyl)-P           2569         3-F         SO2Me         1-naphthyl           2571         3-F         SO2Me         2-naphthyl           2572         3-F         SO2Me         3-thienyl				
2556   3-F   SO2Me   3,5-diCl-Ph   2557   3-F   SO2Me   3,4-diCF3-Ph   2558   3-F   SO2Me   3,5-diCF3-Ph   2559   3-F   SO2Me   5-Cl-2-MeO-Ph   2560   3-F   SO2Me   5-Cl-2-MeO-Ph   2561   3-F   SO2Me   3-F-5-morpholino-Ph   2562   3-F   SO2Me   3-F-5-morpholino-Ph   2563   3-F   SO2Me   3,4-OCH2O-Ph   2564   3-F   SO2Me   3,4-OCH2O-Ph   2565   3-F   SO2Me   2-MeO-5-CONH2-Ph   2566   3-F   SO2Me   2-MeO-5-CONH2-Ph   2567   3-F   SO2Me   2-MeO-5-(1-Me-5-tetrazolyl)-Ph   2568   3-F   SO2Me   2-MeO-5-(1-Me-5-tetrazolyl)-Ph   2569   3-F   SO2Me   2-MeO-5-(1-Me-5-tetrazolyl)-Ph   2569   3-F   SO2Me   2-maphthyl   2570   3-F   SO2Me   2-naphthyl   2571   3-F   SO2Me   2-thienyl   2572   3-F   SO2Me   2-thienyl   2573   3-F   SO2Me   2-furanyl   2574   3-F   SO2Me   3-furanyl   2575   3-F   SO2Me   3-furanyl   2576   3-F   SO2Me   3-furanyl   2576   3-F   SO2Me   3-pyridyl   2576   3-F   SO2Me   3-pyridyl   2578   3-F   SO2Me   3-pyridyl   2578   3-F   SO2Me   3-indolyl   2578   3-F   SO2Me   3-indolyl   2579   3-F   SO2Me   3-indolyl   2580   3-F   SO2Me   3-indolyl   2581   3-F   SO2Me   3-indazolyl   2583   3-F   SO2Me   3-indazolyl   2584   3-F   SO2Me   3-indazolyl   2585   3-F   SO2Me   3-indazolyl   2586   3-F   SO2Me   3-indazolyl   2586   3-F   SO2Me   3-indazolyl   2587   3-F   SO2Me   3-indazolyl   2586   3-F   SO2Me   3-indazolyl   2586   3-F   SO2Me   3-indazolyl   2587   3-F   SO2Me   3-indazolyl   2588   3-F   SO2Me   3-indazolyl   2586   3-F   SO2Me   3-indazolyl   2587   3-F   SO2Me   3-indazolyl   2586   3-F   SO2Me   3-indazolyl   2587   3-F   SO2Me   3-indazolyl   2587   3-F   SO2Me   3-indazolyl   2588   3-F   SO2Me   3-indazolyl   2587   3-F   SO2Me	2556         3-F         SO2Me         3,5-diC1-Ph           2557         3-F         SO2Me         3,4-diCF3-Ph           2558         3-F         SO2Me         3,5-diCF3-Ph           2559         3-F         SO2Me         5-C1-2-MeO-Ph           2560         3-F         SO2Me         2-F-5-Me-Ph           2561         3-F         SO2Me         3-F-5-morpholino-Ph           2562         3-F         SO2Me         3,4-OCH2O-Ph           2563         3-F         SO2Me         3,4-OCH2CH2O-Ph           2564         3-F         SO2Me         2-MeO-5-CONH2-Ph           2565         3-F         SO2Me         2-MeO-5-conH2-Ph           2566         3-F         SO2Me         2-MeO-5-tetrazolyl)-P           2568         3-F         SO2Me         2-MeO-5-(1-Me-5-tetrazolyl)-P           2569         3-F         SO2Me         1-naphthyl           2570         3-F         SO2Me         2-naphthyl           2571         3-F         SO2Me         2-thienyl           2572         3-F         SO2Me         3-thienyl				
3-F   SO2Me   3,4-diCF3-Ph   2558   3-F   SO2Me   3,5-diCF3-Ph   2559   3-F   SO2Me   5-Cl-2-MeO-Ph   2560   3-F   SO2Me   5-Cl-2-MeO-Ph   2561   3-F   SO2Me   2-F-5-Me-Ph   2562   3-F   SO2Me   3-F-5-morpholino-Ph   2563   3-F   SO2Me   3,4-OCH2O-Ph   2564   3-F   SO2Me   3,4-OCH2O-Ph   2565   3-F   SO2Me   3,4-OCH2O-Ph   2566   3-F   SO2Me   2-MeO-5-CONH2-Ph   2566   3-F   SO2Me   2-MeO-5-CONH2-Ph   2567   3-F   SO2Me   2-MeO-5-(1-Me-5-tetrazolyl)-Ph   2568   3-F   SO2Me   3-CONH2-5-(1-Me-5-tetrazolyl)-Ph   2569   3-F   SO2Me   3-CONH2-5-(1-Me-5-tetrazolyl)-Ph   2570   3-F   SO2Me   2-naphthyl   2571   3-F   SO2Me   2-thienyl   2572   3-F   SO2Me   2-thienyl   2573   3-F   SO2Me   3-thienyl   2575   3-F   SO2Me   3-thienyl   2575   3-F   SO2Me   3-pyridyl   2576   3-F   SO2Me   3-pyridyl   2576   3-F   SO2Me   3-pyridyl   2577   3-F   SO2Me   3-pyridyl   2578   3-F   SO2Me   3-pyridyl   2578   3-F   SO2Me   3-indolyl   2579   3-F   SO2Me   3-indolyl   2580   3-F   SO2Me   3-indolyl   2580   3-F   SO2Me   3-indazolyl   2581   3-F   SO2Me   3-indazolyl   2582   3-F   SO2Me   3-indazolyl   2583   3-F   SO2Me   3-indazolyl   2584   3-F   SO2Me   3-indazolyl   2585   3-F   SO2Me   3-indazolyl   2586   3-F   SO2Me   3-indazolyl   2587   3-F   SO2Me   3-indazolyl   2588   3-F   SO2Me   3-indazolyl   2586   3-F   SO2Me   3-indazolyl   2587   3-F   SO2Me   3-indazolyl   2588   3-F   SO2Me   3-indazolyl   2586   3-F   SO2Me   3-indazolyl   2587   3-F   SO2Me   3-indazolyl   2588   3-F   SO2Me   3-indazolyl   2588   3-F   SO2Me   3-indazolyl   2587   3-F   SO2Me   3-indazolyl   2588   3-F   SO2Me   3-indaz	2557         3-F         SO2Me         3,4-diCF3-Ph           2558         3-F         SO2Me         3,5-diCF3-Ph           2559         3-F         SO2Me         5-Cl-2-MeO-Ph           2560         3-F         SO2Me         2-F-5-Me-Ph           2561         3-F         SO2Me         3-F-5-morpholino-Ph           2562         3-F         SO2Me         3,4-OCH2O-Ph           2563         3-F         SO2Me         3,4-OCH2CH2O-Ph           2564         3-F         SO2Me         2-MeO-5-CONH2-Ph           2565         3-F         SO2Me         2-MeO-4-(1-Me-5-tetrazolyl)-P           2566         3-F         SO2Me         2-MeO-5-(1-Me-5-tetrazolyl)-P           2568         3-F         SO2Me         3-CONH2-5-(1-Me-5-tetrazolyl)-P           2569         3-F         SO2Me         1-naphthyl           2570         3-F         SO2Me         2-naphthyl           2571         3-F         SO2Me         2-thienyl           2572         3-F         SO2Me         3-thienyl				
2558   3-F   SO2Me   3,5-diCF3-Ph   2559   3-F   SO2Me   5-C1-2-MeO-Ph   2560   3-F   SO2Me   5-C1-2-MeO-Ph   2561   3-F   SO2Me   3-F-5-morpholino-Ph   2562   3-F   SO2Me   3,4-OCH2O-Ph   2563   3-F   SO2Me   3,4-OCH2O-Ph   2564   3-F   SO2Me   3,4-OCH2CH2O-Ph   2565   3-F   SO2Me   2-MeO-5-CONH2-Ph   2566   3-F   SO2Me   2-MeO-5-CONH2-Ph   2567   3-F   SO2Me   2-MeO-5-(1-Me-5-tetrazolyl)-Ph   2568   3-F   SO2Me   2-MeO-5-(1-Me-5-tetrazolyl)-Ph   2569   3-F   SO2Me   3-CONH2-5-(1-Me-5-tetrazolyl)-Ph   2569   3-F   SO2Me   3-CONH2-5-(1-Me-5-tetrazolyl)-Ph   2570   3-F   SO2Me   2-naphthyl   2571   3-F   SO2Me   2-thienyl   2572   3-F   SO2Me   2-thienyl   2573   3-F   SO2Me   3-thienyl   2574   3-F   SO2Me   3-thienyl   2575   3-F   SO2Me   3-pyridyl   2576   3-F   SO2Me   3-pyridyl   2576   3-F   SO2Me   3-pyridyl   2577   3-F   SO2Me   3-pyridyl   2578   3-F   SO2Me   3-pyridyl   2579   3-F   SO2Me   3-indolyl   2580   3-F   SO2Me   3-indolyl   2581   3-F   SO2Me   3-indazolyl   2582   3-F   SO2Me   3-indazolyl   2583   3-F   SO2Me   3-indazolyl   2584   3-F   SO2Me   3-indazolyl   2585   3-F   SO2Me   3-indazolyl   2586   3-F   SO2Me   3-isoxazoyl   2587   3-F   SO2Me   3-isoxazoyl	2558         3-F         SO2Me         3,5-diCF3-Ph           2559         3-F         SO2Me         5-Cl-2-MeO-Ph           2560         3-F         SO2Me         2-F-5-Me-Ph           2561         3-F         SO2Me         3-F-5-morpholino-Ph           2562         3-F         SO2Me         3,4-OCH2O-Ph           2563         3-F         SO2Me         3,4-OCH2CH2O-Ph           2564         3-F         SO2Me         2-MeO-5-CONH2-Ph           2565         3-F         SO2Me         2-MeO-4-(1-Me-5-tetrazolyl)-P           2566         3-F         SO2Me         2-MeO-5-(1-Me-5-tetrazolyl)-P           2568         3-F         SO2Me         3-CONH2-5-(1-Me-5-tetrazolyl)-P           2569         3-F         SO2Me         1-naphthyl           2570         3-F         SO2Me         2-naphthyl           2571         3-F         SO2Me         2-thienyl           2572         3-F         SO2Me         3-thienyl				
Solution   Solution	2559         3-F         SO2Me         5-Cl-2-MeO-Ph           2560         3-F         SO2Me         2-F-5-Me-Ph           2561         3-F         SO2Me         3-F-5-morpholino-Ph           2562         3-F         SO2Me         3,4-OCH2O-Ph           2563         3-F         SO2Me         3,4-OCH2CH2O-Ph           2564         3-F         SO2Me         2-MeO-5-CONH2-Ph           2565         3-F         SO2Me         2-MeO-4-(1-Me-5-tetrazolyl)-P           2566         3-F         SO2Me         2-MeO-5-(1-Me-5-tetrazolyl)-P           2567         3-F         SO2Me         3-CONH2-5-(1-Me-5-tetrazolyl)-P           2568         3-F         SO2Me         1-naphthyl           2570         3-F         SO2Me         2-naphthyl           2571         3-F         SO2Me         2-thienyl           2572         3-F         SO2Me         3-thienyl				
Solution   Solution	2560         3-F         SO2Me         5-Cl-2-Me-Ph           2561         3-F         SO2Me         2-F-5-Me-Ph           2562         3-F         SO2Me         3-F-5-morpholino-Ph           2563         3-F         SO2Me         3,4-OCH2O-Ph           2564         3-F         SO2Me         2-MeO-5-CONH2-Ph           2565         3-F         SO2Me         2-MeO-5-CONH2-Ph           2566         3-F         SO2Me         2-MeO-5-(1-Me-5-tetrazoly1)-P           2567         3-F         SO2Me         3-CONH2-5-(1-Me-5-tetrazoly1)-P           2568         3-F         SO2Me         1-naphthyl           2570         3-F         SO2Me         2-naphthyl           2571         3-F         SO2Me         2-thienyl           2572         3-F         SO2Me         3-thienyl				
2561   3-F   SO2Me   3-F-5-Me-Ph   2562   3-F   SO2Me   3-F-5-morpholino-Ph   2563   3-F   SO2Me   3,4-OCH2O-Ph   2564   3-F   SO2Me   3,4-OCH2CH2O-Ph   2565   3-F   SO2Me   2-MeO-5-CONH2-Ph   2566   3-F   SO2Me   2-MeO-4-(1-Me-5-tetrazoly1)-Ph   2567   3-F   SO2Me   2-MeO-5-(1-Me-5-tetrazoly1)-Ph   2568   3-F   SO2Me   3-CONH2-5-(1-Me-5-tetrazoly1)-Ph   2569   3-F   SO2Me   3-CONH2-5-(1-Me-5-tetrazoly1)-Ph   2569   3-F   SO2Me   3-CONH2-5-(1-Me-5-tetrazoly1)-Ph   2570   3-F   SO2Me   2-naphthy1   2571   3-F   SO2Me   2-naphthy1   2572   3-F   SO2Me   3-thieny1   2573   3-F   SO2Me   3-furany1   2574   3-F   SO2Me   3-furany1   2575   3-F   SO2Me   3-pyridy1   2576   3-F   SO2Me   3-pyridy1   2577   3-F   SO2Me   3-pyridy1   2578   3-F   SO2Me   3-indoly1   2579   3-F   SO2Me   3-indoly1   2580   3-F   SO2Me   3-indoly1   2581   3-F   SO2Me   3-indoly1   2581   3-F   SO2Me   3-indoly1   2582   3-F   SO2Me   3-indazoly1   2583   3-F   SO2Me   3-indazoly1   2584   3-F   SO2Me   3-indazoly1   2585   3-F   SO2Me   3-indazoly1   2586   3-F   SO2Me   3-indazoly1   2587   3-F   SO2Me   3-indazoly1   2586   3-F   SO2Me   3-indazoly1   2586   3-F   SO2Me   3-indazoly1   2586   3-F   SO2Me   3-indazoly1   2586   3-F   SO2Me   3-indazoly1   2587   3-F   SO2Me   3-indazoly1   2588   3-F   SO2Me   3-indazoly1   2586   3-F   SO2Me   3-indazoly1   2586   3-F   SO2Me   3-indazoly1   2587   3-F   SO2Me   3-indazoly1   2587   3-F   SO2Me   3-indazoly1   2588   3-F   SO2Me   3-i	2561         3-F         SO2Me         2-F-5-Me-Ph           2562         3-F         SO2Me         3-F-5-morpholino-Ph           2563         3-F         SO2Me         3,4-OCH2O-Ph           2564         3-F         SO2Me         2-MeO-5-CONH2-Ph           2565         3-F         SO2Me         2-MeO-5-(1-Me-5-tetrazolyl)-P           2566         3-F         SO2Me         2-MeO-5-(1-Me-5-tetrazolyl)-P           2567         3-F         SO2Me         3-CONH2-5-(1-Me-5-tetrazolyl)-P           2568         3-F         SO2Me         1-naphthyl           2570         3-F         SO2Me         2-naphthyl           2571         3-F         SO2Me         2-thienyl           2572         3-F         SO2Me         3-thienyl				
Solution	2562         3-F         SO2Me         3-F-5-morpholino-Ph           2563         3-F         SO2Me         3,4-OCH2O-Ph           2564         3-F         SO2Me         3,4-OCH2CH2O-Ph           2565         3-F         SO2Me         2-MeO-5-CONH2-Ph           2566         3-F         SO2Me         2-MeO-4-(1-Me-5-tetrazoly1)-P           2567         3-F         SO2Me         2-MeO-5-(1-Me-5-tetrazoly1)-P           2568         3-F         SO2Me         3-CONH2-5-(1-Me-5-tetrazoly1)-P           2569         3-F         SO2Me         1-naphthy1           2570         3-F         SO2Me         2-naphthy1           2571         3-F         SO2Me         2-thieny1           2572         3-F         SO2Me         3-thieny1				
2563   3-F   SO2Me   3,4-OCH2O-Ph   2564   3-F   SO2Me   3,4-OCH2CH2O-Ph   2565   3-F   SO2Me   2-MeO-5-CONH2-Ph   2566   3-F   SO2Me   2-MeO-4-(1-Me-5-tetrazoly1)-Ph   2567   3-F   SO2Me   2-MeO-5-(1-Me-5-tetrazoly1)-Ph   2568   3-F   SO2Me   3-CONH2-5-(1-Me-5-tetrazoly1)-Ph   2569   3-F   SO2Me   3-CONH2-5-(1-Me-5-tetrazoly1)-Ph   2569   3-F   SO2Me   2-naphthy1   2570   3-F   SO2Me   2-thieny1   2571   3-F   SO2Me   3-thieny1   2572   3-F   SO2Me   3-thieny1   2573   3-F   SO2Me   3-furany1   2574   3-F   SO2Me   3-furany1   2575   3-F   SO2Me   3-pyridy1   2576   3-F   SO2Me   3-pyridy1   2576   3-F   SO2Me   3-pyridy1   2578   3-F   SO2Me   3-indoly1   2579   3-F   SO2Me   3-indoly1   2580   3-F   SO2Me   3-indoly1   2581   3-F   SO2Me   3-indazoly1   2582   3-F   SO2Me   3-indazoly1   2583   3-F   SO2Me   3-indazoly1   2584   3-F   SO2Me   3-indazoly1   2585   3-F   SO2Me   3-indazoly1   2586   3-F   SO2Me   3-isoxazoy1   2586   3-F   SO2Me   3-isoxazoy1   2587   3-F   SO2Me   3-pyrazoly1   2587   3-F   SO2Me   3-pyrazoly1   2587   3-F   SO2Me   3-pyrazoly1   2587   3-F   SO2Me   3-pyrazoly1   2588   3-F   SO2Me   3-pyrazoly1   2588   3-F   SO2Me   3-pyrazoly1   2588   3-F   SO2Me   3-pyrazoly1   2588   3-pyrazoly1   2588   3-pyrazoly1   2589   3-pyrazoly1   2580   3-p	2563     3-F     SO2Me     3,4-OCH2O-Ph       2564     3-F     SO2Me     3,4-OCH2CH2O-Ph       2565     3-F     SO2Me     2-MeO-5-CONH2-Ph       2566     3-F     SO2Me     2-MeO-4-(1-Me-5-tetrazoly1)-P       2567     3-F     SO2Me     2-MeO-5-(1-Me-5-tetrazoly1)-P       2568     3-F     SO2Me     3-CONH2-5-(1-Me-5-tetrazoly1)-P       2569     3-F     SO2Me     1-naphthy1       2570     3-F     SO2Me     2-naphthy1       2571     3-F     SO2Me     2-thieny1       2572     3-F     SO2Me     3-thieny1				
3-F   SO2Me   3,4-OCH2CH2O-Ph   2565   3-F   SO2Me   2-MeO-5-CONH2-Ph   2566   3-F   SO2Me   2-MeO-4-(1-Me-5-tetrazolyl)-Ph   2567   3-F   SO2Me   2-MeO-5-(1-Me-5-tetrazolyl)-Ph   2568   3-F   SO2Me   3-CONH2-5-(1-Me-5-tetrazolyl)-Ph   2569   3-F   SO2Me   1-naphthyl   2570   3-F   SO2Me   2-naphthyl   2571   3-F   SO2Me   2-thienyl   2572   3-F   SO2Me   3-thienyl   2573   3-F   SO2Me   3-thienyl   2574   3-F   SO2Me   3-furanyl   2574   3-F   SO2Me   3-furanyl   2575   3-F   SO2Me   3-pyridyl   2576   3-F   SO2Me   3-pyridyl   2576   3-F   SO2Me   3-pyridyl   2577   3-F   SO2Me   3-indolyl   2579   3-F   SO2Me   3-indolyl   2579   3-F   SO2Me   3-indolyl   2580   3-F   SO2Me   3-indolyl   2581   3-F   SO2Me   3-indazolyl   2582   3-F   SO2Me   3-indazolyl   2584   3-F   SO2Me   3-indazolyl   2585   3-F   SO2Me   3-indazolyl   2586   3-F   SO2Me   3-isoxazoyl   2587   3-F   SO2Me   3-isoxazoyl   2587   3-F   SO2Me   3-isoxazoyl   2587   3-F   SO2Me   3-isoxazoyl   3-pyrazolyl	2564         3-F         SO2Me         3,4-OCH2CH2O-Ph           2565         3-F         SO2Me         2-MeO-5-CONH2-Ph           2566         3-F         SO2Me         2-MeO-4-(1-Me-5-tetrazoly1)-P           2567         3-F         SO2Me         2-MeO-5-(1-Me-5-tetrazoly1)-P           2568         3-F         SO2Me         3-CONH2-5-(1-Me-5-tetrazoly1)-P           2569         3-F         SO2Me         1-naphthyl           2570         3-F         SO2Me         2-naphthyl           2571         3-F         SO2Me         2-thienyl           2572         3-F         SO2Me         3-thienyl				
2565         3-F         SO2Me         2-MeO-5-CONH2-Ph           2566         3-F         SO2Me         2-MeO-4-(1-Me-5-tetrazoly1)-Ph           2567         3-F         SO2Me         2-MeO-5-(1-Me-5-tetrazoly1)-Ph           2568         3-F         SO2Me         3-CONH2-5-(1-Me-5-tetrazoly1)-Ph           2569         3-F         SO2Me         1-naphthyl           2570         3-F         SO2Me         2-naphthyl           2571         3-F         SO2Me         2-thienyl           2572         3-F         SO2Me         3-thienyl           2573         3-F         SO2Me         2-furanyl           2574         3-F         SO2Me         3-furanyl           2575         3-F         SO2Me         3-pyridyl           2576         3-F         SO2Me         3-pyridyl           2578         3-F         SO2Me         3-pyridyl           2579         3-F         SO2Me         2-indolyl           2580         3-F         SO2Me         3-indolyl           2581         3-F         SO2Me         3-indazolyl           2583         3-F         SO2Me         5-indazolyl           2584         3-F <t< td=""><td>2565         3-F         SO2Me         2-MeO-5-CONH2-Ph           2566         3-F         SO2Me         2-MeO-4-(1-Me-5-tetrazoly1)-P           2567         3-F         SO2Me         2-MeO-5-(1-Me-5-tetrazoly1)-P           2568         3-F         SO2Me         3-CONH2-5-(1-Me-5-tetrazoly1)-P           2569         3-F         SO2Me         1-naphthy1           2570         3-F         SO2Me         2-naphthy1           2571         3-F         SO2Me         2-thieny1           2572         3-F         SO2Me         3-thieny1</td><td></td><td></td><td></td><td></td></t<>	2565         3-F         SO2Me         2-MeO-5-CONH2-Ph           2566         3-F         SO2Me         2-MeO-4-(1-Me-5-tetrazoly1)-P           2567         3-F         SO2Me         2-MeO-5-(1-Me-5-tetrazoly1)-P           2568         3-F         SO2Me         3-CONH2-5-(1-Me-5-tetrazoly1)-P           2569         3-F         SO2Me         1-naphthy1           2570         3-F         SO2Me         2-naphthy1           2571         3-F         SO2Me         2-thieny1           2572         3-F         SO2Me         3-thieny1				
2566         3-F         SO2Me         2-MeO-4-(1-Me-5-tetrazolyl)-Ph           2567         3-F         SO2Me         2-MeO-5-(1-Me-5-tetrazolyl)-Ph           2568         3-F         SO2Me         3-CONH2-5-(1-Me-5-tetrazolyl)-Ph           2569         3-F         SO2Me         1-naphthyl           2570         3-F         SO2Me         2-naphthyl           2571         3-F         SO2Me         2-thienyl           2572         3-F         SO2Me         3-thienyl           2573         3-F         SO2Me         2-furanyl           2574         3-F         SO2Me         3-furanyl           2575         3-F         SO2Me         3-pyridyl           2576         3-F         SO2Me         3-pyridyl           2578         3-F         SO2Me         4-pyridyl           2578         3-F         SO2Me         2-indolyl           2579         3-F         SO2Me         3-indolyl           2580         3-F         SO2Me         5-indolyl           2581         3-F         SO2Me         5-indazolyl           2582         3-F         SO2Me         5-indazolyl           2584         3-F         SO2Me	2566         3-F         SO2Me         2-MeO-4-(1-Me-5-tetrazolyl)-P           2567         3-F         SO2Me         2-MeO-5-(1-Me-5-tetrazolyl)-P           2568         3-F         SO2Me         3-CONH2-5-(1-Me-5-tetrazolyl)-P           2569         3-F         SO2Me         1-naphthyl           2570         3-F         SO2Me         2-naphthyl           2571         3-F         SO2Me         2-thienyl           2572         3-F         SO2Me         3-thienyl				
2567         3-F         SO2Me         2-MeO-5-(1-Me-5-tetrazoly1)-Ph           2568         3-F         SO2Me         3-CONH2-5-(1-Me-5-tetrazoly1)-Ph           2569         3-F         SO2Me         1-naphthy1           2570         3-F         SO2Me         2-naphthy1           2571         3-F         SO2Me         2-thieny1           2572         3-F         SO2Me         3-thieny1           2573         3-F         SO2Me         2-furany1           2574         3-F         SO2Me         3-furany1           2575         3-F         SO2Me         3-pyridy1           2576         3-F         SO2Me         4-pyridy1           2577         3-F         SO2Me         2-indoly1           2578         3-F         SO2Me         3-indoly1           2580         3-F         SO2Me         5-indoly1           2581         3-F         SO2Me         3-indazoly1           2583         3-F         SO2Me         5-indazoly1           2584         3-F         SO2Me         6-indazoly1           2585         3-F         SO2Me         2-imidazoly1           2586         3-F         SO2Me <t< td=""><td>2567         3-F         SO2Me         2-MeO-5-(1-Me-5-tetrazolyl)-P           2568         3-F         SO2Me         3-CONH2-5-(1-Me-5-tetrazolyl)-           2569         3-F         SO2Me         1-naphthyl           2570         3-F         SO2Me         2-naphthyl           2571         3-F         SO2Me         2-thienyl           2572         3-F         SO2Me         3-thienyl</td><td></td><td></td><td></td><td></td></t<>	2567         3-F         SO2Me         2-MeO-5-(1-Me-5-tetrazolyl)-P           2568         3-F         SO2Me         3-CONH2-5-(1-Me-5-tetrazolyl)-           2569         3-F         SO2Me         1-naphthyl           2570         3-F         SO2Me         2-naphthyl           2571         3-F         SO2Me         2-thienyl           2572         3-F         SO2Me         3-thienyl				
2568         3-F         SO2Me         3-CONH2-5-(1-Me-5-tetrazoly1)-Ph           2569         3-F         SO2Me         1-naphthyl           2570         3-F         SO2Me         2-naphthyl           2571         3-F         SO2Me         2-thienyl           2572         3-F         SO2Me         3-thienyl           2573         3-F         SO2Me         2-furanyl           2574         3-F         SO2Me         3-furanyl           2575         3-F         SO2Me         2-pyridyl           2576         3-F         SO2Me         3-pyridyl           2577         3-F         SO2Me         4-pyridyl           2578         3-F         SO2Me         2-indolyl           2579         3-F         SO2Me         3-indolyl           2580         3-F         SO2Me         5-indolyl           2581         3-F         SO2Me         3-indazolyl           2583         3-F         SO2Me         5-indazolyl           2584         3-F         SO2Me         2-imidazolyl           2585         3-F         SO2Me         3-isoxazoyl           2586         3-F         SO2Me         3-pyrazolyl	2568     3-F     SO2Me     3-CONH2-5-(1-Me-5-tetrazolyl)-       2569     3-F     SO2Me     1-naphthyl       2570     3-F     SO2Me     2-naphthyl       2571     3-F     SO2Me     2-thienyl       2572     3-F     SO2Me     3-thienyl		3-E		
2569       3-F       SO2Me       1-naphthyl         2570       3-F       SO2Me       2-naphthyl         2571       3-F       SO2Me       2-thienyl         2572       3-F       SO2Me       3-thienyl         2573       3-F       SO2Me       2-furanyl         2574       3-F       SO2Me       3-furanyl         2575       3-F       SO2Me       2-pyridyl         2576       3-F       SO2Me       3-pyridyl         2577       3-F       SO2Me       4-pyridyl         2578       3-F       SO2Me       2-indolyl         2579       3-F       SO2Me       3-indolyl         2580       3-F       SO2Me       5-indolyl         2581       3-F       SO2Me       3-indazolyl         2582       3-F       SO2Me       5-indazolyl         2583       3-F       SO2Me       5-indazolyl         2584       3-F       SO2Me       6-indazolyl         2585       3-F       SO2Me       2-imidazolyl         2586       3-F       SO2Me       3-isoxazoyl         2587       3-F       SO2Me       3-pyrazolyl	2569       3-F       SO2Me       1-naphthyl         2570       3-F       SO2Me       2-naphthyl         2571       3-F       SO2Me       2-thienyl         2572       3-F       SO2Me       3-thienyl				
2570       3-F       SO2Me       2-naphthyl         2571       3-F       SO2Me       2-thienyl         2572       3-F       SO2Me       3-thienyl         2573       3-F       SO2Me       2-furanyl         2574       3-F       SO2Me       3-furanyl         2575       3-F       SO2Me       2-pyridyl         2576       3-F       SO2Me       3-pyridyl         2577       3-F       SO2Me       4-pyridyl         2578       3-F       SO2Me       2-indolyl         2579       3-F       SO2Me       3-indolyl         2580       3-F       SO2Me       6-indolyl         2581       3-F       SO2Me       3-indazolyl         2582       3-F       SO2Me       5-indazolyl         2583       3-F       SO2Me       6-indazolyl         2584       3-F       SO2Me       6-indazolyl         2585       3-F       SO2Me       2-imidazolyl         2586       3-F       SO2Me       3-isoxazoyl         2587       3-F       SO2Me       3-pyrazolyl	2570       3-F       SO2Me       2-naphthyl         2571       3-F       SO2Me       2-thienyl         2572       3-F       SO2Me       3-thienyl				
2571       3-F       SO2Me       2-thienyl         2572       3-F       SO2Me       3-thienyl         2573       3-F       SO2Me       2-furanyl         2574       3-F       SO2Me       3-furanyl         2575       3-F       SO2Me       2-pyridyl         2576       3-F       SO2Me       3-pyridyl         2577       3-F       SO2Me       4-pyridyl         2578       3-F       SO2Me       2-indolyl         2579       3-F       SO2Me       3-indolyl         2580       3-F       SO2Me       5-indolyl         2581       3-F       SO2Me       6-indolyl         2582       3-F       SO2Me       5-indazolyl         2583       3-F       SO2Me       6-indazolyl         2584       3-F       SO2Me       2-imidazolyl         2585       3-F       SO2Me       3-isoxazoyl         2586       3-F       SO2Me       3-pyrazolyl	2571         3-F         SO2Me         2-thienyl           2572         3-F         SO2Me         3-thienyl				
2572       3-F       SO2Me       3-thienyl         2573       3-F       SO2Me       2-furanyl         2574       3-F       SO2Me       3-furanyl         2575       3-F       SO2Me       2-pyridyl         2576       3-F       SO2Me       3-pyridyl         2577       3-F       SO2Me       4-pyridyl         2578       3-F       SO2Me       2-indolyl         2579       3-F       SO2Me       3-indolyl         2580       3-F       SO2Me       5-indolyl         2581       3-F       SO2Me       6-indolyl         2582       3-F       SO2Me       5-indazolyl         2583       3-F       SO2Me       6-indazolyl         2584       3-F       SO2Me       2-imidazolyl         2585       3-F       SO2Me       3-isoxazoyl         2586       3-F       SO2Me       3-isoxazoyl         2587       3-F       SO2Me       3-pyrazolyl	2572 3-F SO2Me 3-thienyl				
2573       3-F       SO2Me       2-furanyl         2574       3-F       SO2Me       3-furanyl         2575       3-F       SO2Me       2-pyridyl         2576       3-F       SO2Me       3-pyridyl         2577       3-F       SO2Me       4-pyridyl         2578       3-F       SO2Me       2-indolyl         2579       3-F       SO2Me       3-indolyl         2580       3-F       SO2Me       5-indolyl         2581       3-F       SO2Me       6-indolyl         2582       3-F       SO2Me       5-indazolyl         2583       3-F       SO2Me       6-indazolyl         2584       3-F       SO2Me       2-imidazolyl         2585       3-F       SO2Me       3-isoxazoyl         2586       3-F       SO2Me       3-pyrazolyl					
2574       3-F       SO2Me       3-furanyl         2575       3-F       SO2Me       2-pyridyl         2576       3-F       SO2Me       3-pyridyl         2577       3-F       SO2Me       4-pyridyl         2578       3-F       SO2Me       2-indolyl         2579       3-F       SO2Me       3-indolyl         2580       3-F       SO2Me       5-indolyl         2581       3-F       SO2Me       3-indazolyl         2582       3-F       SO2Me       5-indazolyl         2583       3-F       SO2Me       6-indazolyl         2584       3-F       SO2Me       2-imidazolyl         2585       3-F       SO2Me       3-isoxazoyl         2586       3-F       SO2Me       3-pyrazolyl	23/3   3-r   SOZME				2 - fireny1
2575       3-F       SO2Me       2-pyridyl         2576       3-F       SO2Me       3-pyridyl         2577       3-F       SO2Me       4-pyridyl         2578       3-F       SO2Me       2-indolyl         2579       3-F       SO2Me       3-indolyl         2580       3-F       SO2Me       5-indolyl         2581       3-F       SO2Me       6-indolyl         2582       3-F       SO2Me       3-indazolyl         2583       3-F       SO2Me       5-indazolyl         2584       3-F       SO2Me       6-indazolyl         2585       3-F       SO2Me       2-imidazolyl         2586       3-F       SO2Me       3-isoxazoyl         2587       3-F       SO2Me       3-pyrazolyl					
2576       3-F       SO2Me       3-pyridyl         2577       3-F       SO2Me       4-pyridyl         2578       3-F       SO2Me       2-indolyl         2579       3-F       SO2Me       3-indolyl         2580       3-F       SO2Me       5-indolyl         2581       3-F       SO2Me       6-indolyl         2582       3-F       SO2Me       3-indazolyl         2583       3-F       SO2Me       5-indazolyl         2584       3-F       SO2Me       6-indazolyl         2585       3-F       SO2Me       2-imidazolyl         2586       3-F       SO2Me       3-isoxazoyl         2587       3-F       SO2Me       3-pyrazolyl					
2577       3-F       SO2Me       4-pyridyl         2578       3-F       SO2Me       2-indolyl         2579       3-F       SO2Me       3-indolyl         2580       3-F       SO2Me       5-indolyl         2581       3-F       SO2Me       6-indolyl         2582       3-F       SO2Me       3-indazolyl         2583       3-F       SO2Me       5-indazolyl         2584       3-F       SO2Me       6-indazolyl         2585       3-F       SO2Me       2-imidazolyl         2586       3-F       SO2Me       3-isoxazoyl         2587       3-F       SO2Me       3-pyrazolyl					
2578       3-F       SO2Me       2-indolyl         2579       3-F       SO2Me       3-indolyl         2580       3-F       SO2Me       5-indolyl         2581       3-F       SO2Me       6-indolyl         2582       3-F       SO2Me       3-indazolyl         2583       3-F       SO2Me       5-indazolyl         2584       3-F       SO2Me       6-indazolyl         2585       3-F       SO2Me       2-imidazolyl         2586       3-F       SO2Me       3-isoxazoyl         2587       3-F       SO2Me       3-pyrazolyl					
2579       3-F       SO2Me       3-indolyl         2580       3-F       SO2Me       5-indolyl         2581       3-F       SO2Me       6-indolyl         2582       3-F       SO2Me       3-indazolyl         2583       3-F       SO2Me       5-indazolyl         2584       3-F       SO2Me       6-indazolyl         2585       3-F       SO2Me       2-imidazolyl         2586       3-F       SO2Me       3-isoxazoyl         2587       3-F       SO2Me       3-pyrazolyl					
2580       3-F       SO2Me       5-indolyl         2581       3-F       SO2Me       6-indolyl         2582       3-F       SO2Me       3-indazolyl         2583       3-F       SO2Me       5-indazolyl         2584       3-F       SO2Me       6-indazolyl         2585       3-F       SO2Me       2-imidazolyl         2586       3-F       SO2Me       3-isoxazoyl         2587       3-F       SO2Me       3-pyrazolyl					
2581       3-F       SO2Me       6-indolyl         2582       3-F       SO2Me       3-indazolyl         2583       3-F       SO2Me       5-indazolyl         2584       3-F       SO2Me       6-indazolyl         2585       3-F       SO2Me       2-imidazolyl         2586       3-F       SO2Me       3-isoxazoyl         2587       3-F       SO2Me       3-pyrazolyl					
2582       3-F       SO2Me       3-indazolyl         2583       3-F       SO2Me       5-indazolyl         2584       3-F       SO2Me       6-indazolyl         2585       3-F       SO2Me       2-imidazolyl         2586       3-F       SO2Me       3-isoxazoyl         2587       3-F       SO2Me       3-pyrazolyl	\				
2583       3-F       SO2Me       5-indazolyl         2584       3-F       SO2Me       6-indazolyl         2585       3-F       SO2Me       2-imidazolyl         2586       3-F       SO2Me       3-isoxazoyl         2587       3-F       SO2Me       3-pyrazolyl					
2584       3-F       SO2Me       6-indazolyl         2585       3-F       SO2Me       2-imidazolyl         2586       3-F       SO2Me       3-isoxazoyl         2587       3-F       SO2Me       3-pyrazolyl					
2585       3-F       SO2Me       2-imidazolyl         2586       3-F       SO2Me       3-isoxazoyl         2587       3-F       SO2Me       3-pyrazolyl					
2586         3-F         SO2Me         3-isoxazoyl           2587         3-F         SO2Me         3-pyrazolyl					
2587 3-F SO2Me 3-pyrazolyl					
2500   2 E   CO2Mo   2 +b					
	2588 3-F SO2Me 2-thiadiazolyl				
2589 3-F SO2Me 2-thiazolyl	2589   3-F   SO2Me   2-thiazolyl	2589	3-F	SO2Me	2-thiazolyl

2590         3-F         SO2Me         5-Ac-4-Me-2-thiazolyl           2591         3-F         SO2Me         5-tetrazolyl           2592         3-F         SO2Me         2-benzimidazolyl           2593         3-F         SO2Me         5-benzimidazolyl           2594         3-F         SO2Me         2-benzothiazolyl           2595         3-F         SO2Me         2-benzoxazolyl           2596         3-F         SO2Me         5-benzoxazolyl           2597         3-F         SO2Me         1-adamantyl           2598         3-F         SO2Me         2-adamantyl           2599         3-F         SO2Me         i-Pr           2600         3-F         SO2Me         t-Bu           2601         3-F         SO2Me         c-Hex           2603         3-F         SO2Me         CH2CH2OMe           2604         3-F         SO2Me         CH2CONH2	
2592         3-F         SO2Me         2-benzimidazolyl           2593         3-F         SO2Me         5-benzimidazolyl           2594         3-F         SO2Me         2-benzothiazolyl           2595         3-F         SO2Me         5-benzothiazolyl           2596         3-F         SO2Me         2-benzoxazolyl           2597         3-F         SO2Me         5-benzoxazolyl           2598         3-F         SO2Me         1-adamantyl           2599         3-F         SO2Me         2-adamantyl           2600         3-F         SO2Me         i-Pr           2601         3-F         SO2Me         t-Bu           2602         3-F         SO2Me         CH2CH2OMe           2603         3-F         SO2Me         CH2CONH2	
2593         3-F         SO2Me         5-benzimidazolyl           2594         3-F         SO2Me         2-benzothiazolyl           2595         3-F         SO2Me         5-benzothiazolyl           2596         3-F         SO2Me         2-benzoxazolyl           2597         3-F         SO2Me         5-benzoxazolyl           2598         3-F         SO2Me         1-adamantyl           2599         3-F         SO2Me         2-adamantyl           2600         3-F         SO2Me         i-Pr           2601         3-F         SO2Me         t-Bu           2602         3-F         SO2Me         C-Hex           2603         3-F         SO2Me         CH2CH2OMe           2604         3-F         SO2Me         CH2CONH2	
2594         3-F         SO2Me         2-benzothiazolyl           2595         3-F         SO2Me         5-benzothiazolyl           2596         3-F         SO2Me         2-benzoxazolyl           2597         3-F         SO2Me         5-benzoxazolyl           2598         3-F         SO2Me         1-adamantyl           2599         3-F         SO2Me         2-adamantyl           2600         3-F         SO2Me         i-Pr           2601         3-F         SO2Me         t-Bu           2602         3-F         SO2Me         C-Hex           2603         3-F         SO2Me         CH2CH2OMe           2604         3-F         SO2Me         CH2CONH2	
2595         3-F         SO2Me         5-benzothiazolyl           2596         3-F         SO2Me         2-benzoxazolyl           2597         3-F         SO2Me         5-benzoxazolyl           2598         3-F         SO2Me         1-adamantyl           2599         3-F         SO2Me         2-adamantyl           2600         3-F         SO2Me         i-Pr           2601         3-F         SO2Me         t-Bu           2602         3-F         SO2Me         c-Hex           2603         3-F         SO2Me         CH2CH2OMe           2604         3-F         SO2Me         CH2CONH2	
2596         3-F         SO2Me         2-benzoxazolyl           2597         3-F         SO2Me         5-benzoxazolyl           2598         3-F         SO2Me         1-adamantyl           2599         3-F         SO2Me         2-adamantyl           2600         3-F         SO2Me         i-Pr           2601         3-F         SO2Me         t-Bu           2602         3-F         SO2Me         c-Hex           2603         3-F         SO2Me         CH2CH2OMe           2604         3-F         SO2Me         CH2CONH2	
2597         3-F         SO2Me         5-benzoxazolyl           2598         3-F         SO2Me         1-adamantyl           2599         3-F         SO2Me         2-adamantyl           2600         3-F         SO2Me         i-Pr           2601         3-F         SO2Me         t-Bu           2602         3-F         SO2Me         c-Hex           2603         3-F         SO2Me         CH2CH2OMe           2604         3-F         SO2Me         CH2CONH2	
2598     3-F     SO2Me     1-adamantyl       2599     3-F     SO2Me     2-adamantyl       2600     3-F     SO2Me     i-Pr       2601     3-F     SO2Me     t-Bu       2602     3-F     SO2Me     c-Hex       2603     3-F     SO2Me     CH2CH2OMe       2604     3-F     SO2Me     CH2CONH2	
2599         3-F         SO2Me         2-adamantyl           2600         3-F         SO2Me         i-Pr           2601         3-F         SO2Me         t-Bu           2602         3-F         SO2Me         c-Hex           2603         3-F         SO2Me         CH2CH2OMe           2604         3-F         SO2Me         CH2CONH2	
2600     3-F     SO2Me     i-Pr       2601     3-F     SO2Me     t-Bu       2602     3-F     SO2Me     c-Hex       2603     3-F     SO2Me     CH2CH2OMe       2604     3-F     SO2Me     CH2CONH2	
2601     3-F     SO2Me     t-Bu       2602     3-F     SO2Me     c-Hex       2603     3-F     SO2Me     CH2CH2OMe       2604     3-F     SO2Me     CH2CONH2	
2602       3-F       SO2Me       C-Hex         2603       3-F       SO2Me       CH2CH2OMe         2604       3-F       SO2Me       CH2CONH2	
2603         3-F         SO2Me         CH2CH2OMe           2604         3-F         SO2Me         CH2CONH2	
2604 3-F SO2Me CH2CONH2	
0.605 3 7 0.004	
2605   3-F   SO2Me   CH2CO2Me	
2606 3-F SO2Me CH (CH2Ph) CO2Me	
2607 3-F SO2Me CH2CH2NMe2	
2608 3-F SO2Me benzyl	
2609 3-F SO2Me phenethyl	
2610 3-F SO2Me 2-(morpholin-1-yl)-Et	
2611 3-F CH2COMe Ph	
2612 3-F CH2COMe 3-CN-Ph	
2613 3-F CH2COMe 3-COMe-Ph	
2614 3-F CH2COMe 3-CO2Me-Ph	
2615 3-F CH2COMe 3-CONH2-Ph	
2616 3-F CH2COMe 3-CONHMe-Ph	
2617 3-F CH2COMe 3-F-Ph	
2618 3-F CH2COMe 3-C1-Ph	
2619 3-F CH2COMe 3-Br-Ph	
2620 3-F CH2COMe 3-SO2NH2-Ph	
2621 3-F CH2COMe 3-SO2NHMe-Ph	
2622 3-F CH2COMe 3-CF3-Ph	
2623 3-F CH2COMe 3-OMe-Ph	
2624 3-F CH2COMe 3-SMe-Ph	
2625 3-F CH2COMe 3-SOMe-Ph	
2626 3-F CH2COMe 3-SO2Me-Ph	
2627 3-F CH2COMe 3-OH-Ph	
2628 3-F CH2COMe 3-CH2OH-Ph	
2629 3-F CH2COMe 3-CHOHMe-Ph	
2630 3-F CH2COMe 3-COH(Me)2-Ph	
2631 3-F CH2COMe 3-Me-Ph	
2632 3-F CH2COMe 3-Et-Ph	
2633 3-F CH2COMe 3-iPr-Ph	
2634 3-F CH2COMe 3-tBu-Ph	
2635 3-F CH2COMe 3-CH2CO2Me-Ph	
2636 3-F CH2COMe 3-(1-piperidinyl)-Ph	
2637 3-F CH2COMe 3-(1-pyrrolidinyl)-Ph	
2638 3-F CH2COMe 3-(2-imidazolyl)-Ph	
2639 3-F CH2COMe 3-(1-imidazolyl)-Ph	
2640 3-F CH2COMe 3-(2-thiazolyl)-Ph	
2641 3-F CH2COMe 3-(3-pyrazolyl)-Ph	
2642 3-F CH2COMe 3-(1-pyrazolyl)-Ph	
2643 3-F CH2COMe 3-(5-Me-1-tetrazoly1)-Ph	
2644 3-F CH2COMe 3-(1-Me-5-tetrazoly1)-Ph	

7645	1 2 17	CITOCOMO	2 /2 providual \ Dh
2645	3-F 3-F	CH2COMe	3-(2-pyridyl)-Ph
2646		CH2COMe	3-(2-thienyl)-Ph
2647	3-F	CH2COMe	3-(2-furany1)-Ph
2648	3-F	CH2COMe	4-CN-Ph
2649	3-F	CH2COMe	4-COMe-Ph
2650	3-F	CH2COMe	4-CO2Me-Ph
2651	3-F	CH2COMe	4-CONH2-Ph
2652	3-F	CH2COMe	4-CONHMe-Ph
2653	3-F	CH2COMe	4-CONHPh-Ph
2654	3-F	CH2COMe	4-F-Ph
2655	3-F	CH2COMe	4-Cl-Ph
2656	3-F	CH2COMe	4-Br-Ph
2657	3-F	CH2COMe	4-SO2NH2-Ph
2658	3-F	CH2COMe	4-SO2NHMe-Ph
2659	3-F	CH2COMe	4-CF3-Ph
2660	3-F	CH2COMe	4-OMe-Ph
2661	3-F	CH2COMe	4-SMe-Ph
2662	3-F	CH2COMe	4-SOMe-Ph
2663	3-F	CH2COMe	4-SO2Me-Ph
2664	3-F	CH2COMe	4-OH-Ph
2665	3-F	CH2COMe	4-CH2OH-Ph
2666	3-F	CH2COMe	4-CHOHMe-Ph
2667	3-F	CH2COMe	4-COH (Me) 2-Ph
2668	3-F	CH2COMe	4-Me-Ph
2669	3-F	CH2COMe	4-Et-Ph
2670	3-F	CH2COMe	4-iPr-Ph
2671	3-F	CH2COMe	4-tBu-Ph
	3-F	CH2COMe CH2COMe	4-CH2CO2Me-Ph
2672	3-F		4-Ch2COZME-FH 4-(1-piperidinyl)-Ph
2673 2674	3-F	CH2COMe CH2COMe	4-(1-pyrrolidinyl)-Ph
2675	3-F		4-(1-pyrroridinyr)-Ph 4-(2-imidazolyl)-Ph
	3-F	CH2COMe	
2676		CH2COMe	4-(1-imidazolyl)-Ph
2677	3-F	CH2COMe	4-(2-thiazoly1)-Ph
2678	3-F	CH2COMe	4-(3-pyrazolyl)-Ph
2679	3-F	CH2COMe	4-(1-pyrazolyl)-Ph
2680	3-F	CH2COMe	4-(5-Me-1-tetrazolyl)-Ph
2681	3-F	CH2COMe	4-(1-Me-5-tetrazolyl)-Ph
2682	3-F	CH2COMe	4-(2-pyridyl)-Ph
2683	3-F	CH2COMe	4-(2-thienyl)-Ph
2684	3-F	CH2COMe	4-(2-furany1)-Ph
2685	3-F	CH2COMe	2-CN-Ph
2686	3-F	CH2COMe	2-COMe-Ph
2687	3-F	CH2COMe	2-CO2Me-Ph
2688	3-F	CH2COMe	2-CONH2-Ph
2689	3-F	CH2COMe	2-CONHMe-Ph
2690	3-F	CH2COMe	2-F-Ph
2691	3-F	CH2COMe	2-C1-Ph
2692	3-F	CH2COMe	2-Br-Ph
2693	3-F	CH2COMe	2-SO2NH2-Ph
2694	3-F	CH2COMe	2-SO2NHMe-Ph
2695	3-F	CH2COMe	2-CF3-Ph
2696	3-F	CH2COMe	2-OMe-Ph
2697	3-F	CH2COMe	2-SMe-Ph
2698	3-F	CH2COMe	2-SOMe-Ph
2699	3-F	CH2COMe	2-SO2Me-Ph

2700	3-F	CH2COMe	2-OH-Ph
2701	3-F	CH2COMe	2-CH2OH-Ph
2702	3-F	CH2COMe	2-CHOHMe-Ph
2703	3-F	CH2COMe	2-COH(Me)2-Ph
2704	3-F	CH2COMe	2-Me-Ph
2705	3-F	CH2COMe	2-Et-Ph
2706	3-F	CH2COMe	2-iPr-Ph
2707	3-F	CH2COMe	2-tBu-Ph
2708	3-F	CH2COMe	2-CH2CO2Me-Ph
2709	3-F	CH2COMe	2-(1-piperidinyl)-Ph
2710	3-F	CH2COMe	2-(1-pyrrolidinyl)-Ph
2711	3-F	CH2COMe	2-(2-imidazolyl)-Ph
2712	3-F	CH2COMe	2-(1-imidazoly1)-Ph
2713	3-F	CH2COMe	2-(2-thiazoly1)-Ph
2714	3-F	CH2COMe	2-(3-pyrazolyl)-Ph
2715	3-F	CH2COMe	2-(3-pyrazoly1)-Ph
	3-F	CH2COMe	2-(1-pyrazory1)-Ph 2-(5-Me-1-tetrazoly1)-Ph
2716	3-F		2-(5-Me-1-tetrazoly1)-Ph 2-(1-Me-5-tetrazoly1)-Ph
2717	3-F	CH2COMe	2-(1-Me-5-tetrazoly1)-Ph 2-(2-pyridy1)-Ph
2718		CH2COMe	
2719	3-F	CH2COMe	2-(2-thienyl)-Ph
2720	3-F	CH2COMe	2-(2-furany1)-Ph
2721	3-F	CH2COMe	2,4-diF-Ph
2722	3-F	CH2COMe	2,5-diF-Ph
2723	3-F	CH2COMe	2,6-diF-Ph
2724	3-F	CH2COMe	3,4-diF-Ph
2725	3-F	CH2COMe	3,5-diF-Ph
2726	3-F	CH2COMe	2,4-diCl-Ph
2727	3-F_	CH2COMe	2,5-diCl-Ph
2728	3-F	CH2COMe	2,6-diCl-Ph
2729	3-F	CH2COMe	3,4-diCl-Ph
2730	3-F	CH2COMe	3,5-diCl-Ph
2731	3-F	CH2COMe	3,4-diCF3-Ph
2732	3-F	CH2COMe	3,5-diCF3-Ph
2733	3-F	CH2COMe	5-Cl-2-MeO-Ph
2734	3-F	CH2COMe	5-Cl-2-Me-Ph
2735	3-F	CH2COMe	2-F-5-Me-Ph
2736	3-F	CH2COMe	3-F-5-morpholino-Ph
2737	3-F	CH2COMe	3,4-OCH2O-Ph
2738	3-F	CH2COMe	3,4-OCH2CH2O-Ph
2739	3-F	CH2COMe	2-MeO-5-CONH2-Ph
2740	3-F	CH2COMe	2-MeO-4-(1-Me-5-tetrazolyl)-Ph
2741	3-F	CH2COMe	2-MeO-5-(1-Me-5-tetrazoly1)-Ph
2742	3-F	CH2COMe	3-CONH2-5-(1-Me-5-tetrazolyl)-Ph
2743	3-F	CH2COMe	1-naphthyl
2744	3-F	CH2COMe	2-naphthyl
2745	3-F	CH2COMe	2-thienyl
2746	3-F	CH2COMe	3-thienyl
2747	3-F	CH2COMe	2-furanyl
2748	3-F	CH2COMe	3-furany1
2749	3-F	CH2COMe	2-pyridyl
	3-F		
2750		CH2COMe	3-pyridy1
2751	3-F	CH2COMe	4-pyridyl
2752	3-F	CH2COMe	2-indolyl
2753	3-F	CH2COMe	3-indolyl
2754	3-F	CH2COMe	5-indolyl

2755	3-F	CH2COMe	6-indolyl
2756	3-F	CH2COMe	3-indazolyl
2757	3-F	CH2COMe	5-indazolyl
2758	3-F	CH2COMe	6-indazolyl
2759	3-F	CH2COMe	2-imidazolyl
2760	3-F	CH2COMe	3-isoxazoyl
2761	3-F	CH2COMe	3-pyrazolyl
2762	3-F	CH2COMe	2-thiadiazolyl
2763	3-F	CH2COMe	2-thiazolyl
2764	3-F	CH2COMe	5-Ac-4-Me-2-thiazoly1
2765	3-F	CH2COMe	5-tetrazolyl
	3-F		2-benzimidazolyl
2766		CH2COMe	
2767	3-F	CH2COMe	5-benzimidazolyl
2768	3-F	CH2COMe	2-benzothiazolyl
2769	3-F	CH2COMe	5-benzothiazolyl
2770	3-F	CH2COMe	2-benzoxazolyl
2771	3-F	CH2COMe	5-benzoxazolyl
2772	3-F	CH2COMe	1-adamantyl
2773	3-F	CH2COMe	2-adamantyl
2774	3-F	CH2COMe	i-Pr
2775	3-F	CH2COMe	t-Bu
2776	3-F	CH2COMe	c-Hex
2777	3-F	CH2COMe	CH2CH2OMe
2778	3-F	CH2COMe	CH2CONH2
2779	3-F	CH2COMe	CH2CO2Me
2780	3-F	CH2COMe	CH (CH2Ph) CO2Me
2781	3-F	CH2COMe	CH2CH2NMe2
2782	3-F		
		CH2COMe	benzyl
2783	3-F	CH2COMe	phenethyl
2784	3-F	CH2COMe	2-(morpholin-1-yl)-Et
2785	4-F	H	Ph
2786	4-F	H	3-CN-Ph
2787	4-F	Н	3-COMe-Ph
2788	4-F	H	3-CO2Me-Ph
2789	4-F	H	3-CONH2-Ph
2790	4-F	H	3-CONHMe-Ph
2791	4-F	H	3-F-Ph
2792	4-F	H	3-C1-Ph
2793	4-F	Н	3-Br-Ph
2794	4-F	Н	3-SO2NH2-Ph
2795	4-F	H	3-SO2NHMe-Ph
2796	4-F	Н	3-CF3-Ph
2797	4-F	H	3-OMe-Ph
2798	4-F	Н	3-SMe-Ph
2799	4-F	H	3-SOMe-Ph
2800	4-F	H	3-SO2Me-Ph
2801	4-F	H	3-OH-Ph
2802	4-F	H	3-OH-PH 3-CH2OH-Ph
			3-CH2OH-PH 3-CHOHMe-Ph
2803	4-F	H	
2804	4-F	H	3-COH (Me) 2-Ph
2805	4-F	H	3-Me-Ph
2806	4-F	H	3-Et-Ph
2807	4-F	H	3-iPr-Ph
2808	4-F	H	3-tBu-Ph
2809	4-F	H	3-CH2CO2Me-Ph

2811 4-F H 3-(1-pyrrolidinyl)-Ph 2812 4-F H 3-(2-imidazolyl)-Ph 2813 4-F H 3-(1-imidazolyl)-Ph 2814 4-F H 3-(2-thiazolyl)-Ph 2815 4-F H 3-(2-thiazolyl)-Ph 2816 4-F H 3-(3-pyrazolyl)-Ph 2817 4-F H 3-(5-Me-1-tetrazolyl)-Ph 2818 4-F H 3-(5-Me-1-tetrazolyl)-Ph 2818 4-F H 3-(2-pyridyl)-Ph 2819 4-F H 3-(2-pyridyl)-Ph 2820 4-F H 3-(2-thianyl)-Ph 2821 4-F H 3-(2-thianyl)-Ph 2822 4-F H 4-CN-Ph 2822 4-F H 4-COMP-Ph 2823 4-F H 4-COMP-Ph 2824 4-F H 4-COMP-Ph 2825 4-F H 4-COMP-Ph 2826 4-F H 4-COMP-Ph 2827 4-F H 4-COMP-Ph 2828 4-F H 4-COMP-Ph 2829 4-F H 4-COMP-Ph 2829 4-F H 4-COMP-Ph 2829 4-F H 4-COMP-Ph 2829 4-F H 4-COMP-Ph 2829 4-F H 4-COMP-Ph 2829 4-F H 4-COMP-Ph 2829 4-F H 4-COMP-Ph 2829 4-F H 4-COMP-Ph 2830 4-F H 4-SOZNE-Ph 2831 4-F H 4-SOZNE-Ph 2831 4-F H 4-SOZNE-Ph 2832 4-F H 4-SOZNE-Ph 2833 4-F H 4-SOZNE-Ph 2834 4-F H 4-CM-Ph 2835 4-F H 4-CM-Ph 2836 4-F H 4-CM-Ph 2837 4-F H 4-CM-Ph 2838 4-F H 4-CM-Ph 2839 4-F H 4-CM-Ph 2839 4-F H 4-CM-Ph 2839 4-F H 4-CM-Ph 2830 4-F H 4-CM-Ph 2831 4-F H 4-CM-Ph 2834 4-F H 4-CM-Ph 2835 4-F H 4-CM-Ph 2836 4-F H 4-CM-Ph 2837 4-F H 4-CM-Ph 2838 4-F H 4-CM-Ph 2839 4-F H 4-CM-Ph 2840 4-F H 4-CM-Ph 2840 4-F H 4-CM-Ph 2841 4-F H 4-CM-Ph 2841 4-F H 4-CM-Ph 2842 4-F H 4-CM-Ph 2843 4-F H 4-CM-Ph 2844 4-F H 4-CM-Ph 2845 4-F H 4-CM-Ph 2846 4-F H 4-CM-Ph 2847 4-F H 4-CM-Ph 2848 4-F H 4-CM-Ph 2849 4-F H 4-CM-Ph 2849 4-F H 4-CM-Ph 2840 4-F H 4-CM-Ph 2841 4-F H 4-CM-Ph 2841 4-F H 4-CM-Ph 2842 4-F H 4-CM-Ph 2843 4-F H 4-CM-Ph 2844 4-F H 4-CM-Ph 2845 4-F H 4-CM-Ph 2846 4-F H 4-CM-Ph 2847 4-F H 4-CM-Ph 2849 4-F H 4-CM-Ph 2850 4-F H 4-CM-Ph 2950 4-F H 4-CM-Ph 2950 4-F H 4-CM-Ph 2950 4-F H 4-CM-P	2810	4-F	H	3-(1-piperidinyl)-Ph
2812   4-F				
2813				
2814				
2815 4-F H 3-(3-pyrazolyl)-Ph 2816 4-F H 3-(1-pyrazolyl)-Ph 2817 4-F H 3-(5-Me-1-tetrazolyl)-Ph 2818 4-F H 3-(5-Me-1-tetrazolyl)-Ph 2818 4-F H 3-(2-pyridyl)-Ph 2819 4-F H 3-(2-pyridyl)-Ph 2820 4-F H 3-(2-thienyl)-Ph 2821 4-F H 3-(2-thienyl)-Ph 2822 4-F H 4-COMP-Ph 2823 4-F H 4-COMP-Ph 2824 4-F H 4-COMP-Ph 2825 4-F H 4-COMP-Ph 2826 4-F H 4-CONHM-Ph 2827 4-F H 4-CONHM-Ph 2828 4-F H 4-CONHM-Ph 2829 4-F H 4-F-Ph 2830 4-F H 4-F-Ph 2831 4-F H 4-SOZNH2-Ph 2831 4-F H 4-SOZNH2-Ph 2831 4-F H 4-SOZNH2-Ph 2833 4-F H 4-SOZNH2-Ph 2833 4-F H 4-SOZNH2-Ph 2834 4-F H 4-COMP-Ph 2835 4-F H 4-COMP-Ph 2836 4-F H 4-COMP-Ph 2837 4-F H 4-COMP-Ph 2838 4-F H 4-COMP-Ph 2839 4-F H 4-COMP-Ph 2839 4-F H 4-COMP-Ph 2836 4-F H 4-COMP-Ph 2837 4-F H 4-COMP-Ph 2838 4-F H 4-CHOPH-Ph 2839 4-F H 4-CHOPH-Ph 2839 4-F H 4-CHOPH-Ph 2839 4-F H 4-CHOPH-Ph 2839 4-F H 4-CHOPH-Ph 2840 4-F H 4-CHOPH-Ph 2840 4-F H 4-CHOPH-Ph 2841 4-F H 4-CHOPH-Ph 2842 4-F H 4-CHOPH-Ph 2843 4-F H 4-CHOPH-Ph 2844 4-F H 4-CHOPH-Ph 2854 4-F H 4-CHOPH-Ph 2855 4-F H 4-CHOPH-Ph 2865 4-F H 4-CHOPH-Ph 2865 4-F H 4-CHOPH-Ph 2865 4-F H 4-CHOPH-Ph 2866 4-F H 4-CP-Ph 2867 4-F H 4-CP-Ph 2868 4-F H 4-CP-Ph 2869 4-F H 4-CP-Ph 2869 4-F H 4-CP-Ph 2869 4-F H 4-CP-Ph 2869 4-F H 4-CP-Ph 2869 4-F H 4-CP-Ph 2879 4-F H 4-CP-Ph 2869 4-F H 4-CP-Ph 2879 4-F H				
2816				
2817				
2818 4-F H 3-(1-Me-5-tetrazolyl)-Ph 2819 4-F H 3-(2-pyridyl)-Ph 2820 4-F H 3-(2-thienyl)-Ph 2821 4-F H 3-(2-thienyl)-Ph 2821 4-F H 4-CN-Ph 2823 4-F H 4-COME-Ph 2823 4-F H 4-COME-Ph 2824 4-F H 4-COME-Ph 2825 4-F H 4-CONH2-Ph 2826 4-F H 4-CONH2-Ph 2827 4-F H 4-CONHPh-Ph 2828 4-F H 4-CONHPh-Ph 2829 4-F H 4-CI-Ph 2830 4-F H 4-F-Ph 2830 4-F H 4-SOZNHZ-Ph 2831 4-F H 4-SOZNHZ-Ph 2831 4-F H 4-SOZNHZ-Ph 2832 4-F H 4-SOZNHME-Ph 2833 4-F H 4-SOZNHZ-Ph 2833 4-F H 4-SOZNHZ-Ph 2834 4-F H 4-SME-Ph 2835 4-F H 4-SME-Ph 2836 4-F H 4-SME-Ph 2837 4-F H 4-SOZME-Ph 2838 4-F H 4-CHOPHP 2839 4-F H 4-CHOPHP 2839 4-F H 4-CHOPHP 2839 4-F H 4-CHOPHP 2831 4-F H 4-CHOPHP 2831 4-F H 4-CHOPHP 2832 4-F H 4-CHOPHP 2833 4-F H 4-CHOPHP 2834 4-F H 4-CHOPHP 2834 4-F H 4-CHOPHP 2835 4-F H 4-CHOPHP 2836 4-F H 4-CHOPHP 2840 4-F H 4-CHOPHP 2840 4-F H 4-CHOPHP 2841 4-F H 4-CHOPHP 2841 4-F H 4-CHOPHP 2842 4-F H 4-CHOPHP 2843 4-F H 4-CHOPHP 2844 4-F H 4-CHOPHP 2845 4-F H 4-CHOPHP 2846 4-F H 4-CHOPHP 2856 4-F H 4-CHOPHPP 2857 4-F H 4-CHOPHPP 2858 4-F H 4-CHOPHPP 2859 4-F H 4-CHOPHPPP 2859 4-F H 4-CHOPHPPP 2859 4-F H 4-CHOPHPPP 2859 4-F H 4-CHOPHPPPP 2859 4-F H 4-CHOPHPPPP 2859 4-F H 4-CHOPHPPPP 2859 4-F H 4-CHOPHPPPPP 2859 4-F H 4-CHOPHPPPPP 2859 4-F H 4-CHOPHPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPP				
2819				
2820 4-F H 3-(2-thienyl)-Ph 2821 4-F H 3-(2-furanyl)-Ph 2822 4-F H 4-CN-Ph 2823 4-F H 4-COMP-Ph 2824 4-F H 4-COMP-Ph 2824 4-F H 4-COMP-Ph 2825 4-F H 4-CONH2-Ph 2826 4-F H 4-CONH2-Ph 2827 4-F H 4-CONHP-Ph 2828 4-F H 4-CONHP-Ph 2829 4-F H 4-FP-Ph 2829 4-F H 4-SOZNH2-Ph 2830 4-F H 4-Br-Ph 2831 4-F H 4-SOZNHM2-Ph 2832 4-F H 4-SOZNHM2-Ph 2833 4-F H 4-SOZNHM2-Ph 2834 4-F H 4-OMP-Ph 2835 4-F H 4-SOMP-Ph 2836 4-F H 4-SOMP-Ph 2837 4-F H 4-SOMP-Ph 2838 4-F H 4-SOMP-Ph 2838 4-F H 4-SOMP-Ph 2838 4-F H 4-SOMP-Ph 2839 4-F H 4-CH2OH-Ph 2839 4-F H 4-CH2OH-Ph 2840 4-F H 4-CH2OH-Ph 2840 4-F H 4-CH2OMP-Ph 2841 4-F H 4-CH2OMP-Ph 2842 4-F H 4-CH2OMP-Ph 2844 4-F H 4-CH2OMP-Ph 2845 4-F H 4-CH2OMP-Ph 2847 4-F H 4-CH2OMP-Ph 2848 4-F H 4-CH2OMP-Ph 2849 4-F H 4-CH2OMP-Ph 2849 4-F H 4-CH2OMP-Ph 2840 4-F H 4-CH2OMP-Ph 2841 4-F H 4-CH2OMP-Ph 2842 4-F H 4-CH2OMP-Ph 2843 4-F H 4-CH2OMP-Ph 2844 4-F H 4-CH2OMP-Ph 2845 4-F H 4-CH2OMP-Ph 2846 4-F H 4-CH2OMP-Ph 2847 4-F H 4-CH2OMP-Ph 2848 4-F H 4-CH2OMP-Ph 2859 4-F H 4-CH2OMP-Ph 2850 4-F H 4-CH2OMP-Ph 2851 4-F H 4-CH2OMP-Ph 2851 4-F H 4-CH2OMP-Ph 2852 4-F H 4-CH2OMP-Ph 2853 4-F H 4-CH2OMP-Ph 2854 4-F H 4-CH2OMP-Ph 2855 4-F H 4-CH2OMP-Ph 2857 4-F H 4-CH2OMP-Ph 2858 4-F H 4-CP-Principlinyl)-Ph 2859 4-F H 4-CP-Principlinyl)-Ph 2859 4-F H 4-CP-Principlinyl)-Ph 2859 4-F H 4-CP-Principlinyl)-Ph 2850 4-F H 4-CP-Principlinyl)-Ph 2851 4-F H 4-CP-Principlinyl)-Ph 2853 4-F H 4-CP-Principlinyl)-Ph 2854 4-F H 4-CP-Principlinyl)-Ph 2855 4-F H 4-CP-Principlinyl)-Ph 2856 4-F H 4-CP-Principlinyl)-Ph 2857 4-F H 4-CP-Principlinyl)-Ph 2858 4-F H 4-CP-Principlinyl)-Ph 2859 4-F H 4-CP-Principlinyl)-Ph 2859 4-F H 4-CP-Principlinyl)-Ph 2859 4-F H 4-CP-Principlinyl)-Ph 2859 4-F H 4-CP-Principlinyl)-Ph 2859 4-F H 4-CP-Principlinyl)-Ph 2859 4-F H 4-CP-Principlinyl)-Ph 2850 4-F H 4-CP-Principlinyl)-Ph 2851 4-F H 4-CP-Principlinyl)-Ph 2852 4-F H 4-CP-Principlinyl)-Ph 2853 4-F H 4-CP-Principlinyl)-Ph 2854 4-F H 4-CP-Principlinyl)-Ph 2856 4-F H 4-CP-Principlinyl)-Ph 2857 4-F H 4-CP-Principlinyl)-Ph 2858 4-F H 4-CP-Principlinyl-				
2821   4-F				
2822				
2823  4-F  H  4-COME-Ph 2824  4-F  H  4-COZME-Ph 2825  4-F  H  4-CONHAP-Ph 2826  4-F  H  4-CONHAP-Ph 2827  4-F  H  4-CONHAP-Ph 2827  4-F  H  4-CONHAP-Ph 2828  4-F  H  4-CONHAP-Ph 2829  4-F  H  4-F-Ph 2830  4-F  H  4-SOZNH2-Ph 2831  4-F  H  4-SOZNH2-Ph 2832  4-F  H  4-SOZNH2-Ph 2833  4-F  H  4-SOZNH2-Ph 2833  4-F  H  4-SOZNH2-Ph 2833  4-F  H  4-SME-Ph 2835  4-F  H  4-SME-Ph 2836  4-F  H  4-SOME-Ph 2837  4-F  H  4-SOME-Ph 2838  4-F  H  4-CH2OH-Ph 2839  4-F  H  4-CH2OH-Ph 2839  4-F  H  4-CH2OH-Ph 2840  4-F  H  4-CH2OH-Ph 2841  4-F  H  4-CH2OH-Ph 2842  4-F  H  4-EE-Ph 2843  4-F  H  4-EE-Ph 2844  4-F  H  4-ED-Ph 2845  4-F  H  4-ED-Ph 2846  4-F  H  4-CH2OME-Ph 2856  4-F  H  4-CH2OME-Ph 2857  4-F  H  4-CH2OME-Ph 2858  4-F  H  4-CH2OME-Ph 2859  4-F  H  4-CH2OME-Ph 2850  4-F  H  4-CH2OME-Ph 2851  4-F  H  4-CH2OME-Ph 2851  4-F  H  4-CH2OME-Ph 2852  4-F  H  4-CH2OME-Ph 2853  4-F  H  4-CH2OME-Ph 2854  4-F  H  4-CH2OME-Ph 2855  4-F  H  4-CH2OME-Ph 2857  4-F  H  4-(2-mindazoly1)-Ph 2858  4-F  H  4-(2-mindazoly1)-Ph 2859  4-F				
2824         4-F         H         4-COMH2-Ph           2825         4-F         H         4-COMH2-Ph           2826         4-F         H         4-CONHPh-Ph           2827         4-F         H         4-CONHPh-Ph           2828         4-F         H         4-F-Ph           2829         4-F         H         4-Br-Ph           2830         4-F         H         4-Br-Ph           2831         4-F         H         4-SO2NHMe-Ph           2832         4-F         H         4-SO2NHMe-Ph           2833         4-F         H         4-CF3-Ph           2834         4-F         H         4-SO2NHMe-Ph           2835         4-F         H         4-SMe-Ph           2836         4-F         H         4-SOME-Ph           2837         4-F         H         4-SOME-Ph           2838         4-F         H         4-CH2OH-Ph           2840         4-F         H         4-CH2OH-Ph           2840         4-F         H         4-CH2OH-Ph           2841         4-F         H         4-CH2OH-Ph           2842         4-F         H         4-CH2OH				
2825         4-F         H         4-CONH2-Ph           2826         4-F         H         4-CONHME-Ph           2827         4-F         H         4-CONHPh-Ph           2828         4-F         H         4-F-Ph           2829         4-F         H         4-C1-Ph           2830         4-F         H         4-S2NH2-Ph           2831         4-F         H         4-SO2NHM-Ph           2833         4-F         H         4-CF3-Ph           2833         4-F         H         4-CF3-Ph           2834         4-F         H         4-CM-Ph           2835         4-F         H         4-SM-Ph           2836         4-F         H         4-SM-Ph           2837         4-F         H         4-SO2M-Ph           2838         4-F         H         4-CH2OH-Ph           2839         4-F         H         4-CH2OH-Ph           2840         4-F         H         4-CH2OH-Ph           2841         4-F         H         4-CH2OH-Ph           2842         4-F         H         4-CH2OH-Ph           2843         4-F         H         4-CH2OH-Ph				
2826         4-F         H         4-CONHMe-Ph           2827         4-F         H         4-CONHPh-Ph           2828         4-F         H         4-F-Ph           2829         4-F         H         4-F-Ph           2830         4-F         H         4-Br-Ph           2831         4-F         H         4-SO2NH2-Ph           2833         4-F         H         4-CF3-Ph           2834         4-F         H         4-CM-Ph           2835         4-F         H         4-SOME-Ph           2836         4-F         H         4-SOME-Ph           2837         4-F         H         4-SOME-Ph           2838         4-F         H         4-CH2OH-Ph           2840         4-F         H         4-CH2OH-Ph           2841         4-F         H         4-CH2OH-Ph           2841         4-F         H         4-CH0HME-Ph           2843         4-F         H         4-CH0HME-Ph           2843         4-F         H         4-CH0HME-Ph           2841         4-F         H         4-CH0HME-Ph           2843         4-F         H         4-CH0HME-Ph				
2827         4-F         H         4-F-Ph           2828         4-F         H         4-F-Ph           2829         4-F         H         4-F-Ph           2830         4-F         H         4-Br-Ph           2831         4-F         H         4-SO2NH2-Ph           2832         4-F         H         4-SO2NHB-Ph           2833         4-F         H         4-CF3-Ph           2834         4-F         H         4-SOM-Ph           2835         4-F         H         4-SOM-Ph           2836         4-F         H         4-SOM-Ph           2837         4-F         H         4-SOM-Ph           2838         4-F         H         4-SOM-Ph           2838         4-F         H         4-CH2OH-Ph           2843         4-F         H         4-CH2OH-Ph           2840         4-F         H         4-CH2OH-Ph           2841         4-F         H         4-CH0HM-Ph           2842         4-F         H         4-Et-Ph           2843         4-F         H         4-Et-Ph           2844         4-F         H         4-Et-Ph <tr< td=""><td></td><td></td><td></td><td><u> </u></td></tr<>				<u> </u>
2828         4-F         H         4-F-Ph           2830         4-F         H         4-Br-Ph           2831         4-F         H         4-Br-Ph           2831         4-F         H         4-SO2NH2-Ph           2832         4-F         H         4-CF3-Ph           2833         4-F         H         4-CH2-Ph           2835         4-F         H         4-SME-Ph           2836         4-F         H         4-SOME-Ph           2837         4-F         H         4-SOME-Ph           2838         4-F         H         4-SOME-Ph           2838         4-F         H         4-CH2OH-Ph           2838         4-F         H         4-CH2OH-Ph           2840         4-F         H         4-CH2OH-Ph           2840         4-F         H         4-CH0HME-Ph           2841         4-F         H         4-Et-Ph           2843         4-F         H         4-Et-Ph           2844         4-F         H         4-Et-Ph           2845         4-F         H         4-Et-Ph           2846         4-F         H         4-CH2CO2Me-Ph				<u></u>
2829 4-F H 4-C1-Ph 2830 4-F H 4-Br-Ph 2831 4-F H 4-SO2NH2-Ph 2832 4-F H 4-SO2NHME-Ph 2833 4-F H 4-SO2NHME-Ph 2833 4-F H 4-CF3-Ph 2834 4-F H 4-CMP-Ph 2835 4-F H 4-SME-Ph 2836 4-F H 4-SME-Ph 2837 4-F H 4-SO2ME-Ph 2838 4-F H 4-CH2OH-Ph 2838 4-F H 4-CH2OH-Ph 2839 4-F H 4-CH2OH-Ph 2840 4-F H 4-CH0HME-Ph 2841 4-F H 4-CH0HME-Ph 2841 4-F H 4-Et-Ph 2842 4-F H 4-Et-Ph 2843 4-F H 4-Et-Ph 2844 4-F H 4-IPr-Ph 2845 4-F H 4-IPr-Ph 2846 4-F H 4-CH2CO2ME-Ph 2847 4-F H 4-CH2CO2ME-Ph 2848 4-F H 4-CH2CO2ME-Ph 2848 4-F H 4-CH2CO2ME-Ph 2849 4-F H 4-C1-piperidinyl)-Ph 2850 4-F H 4-(1-piperidinyl)-Ph 2850 4-F H 4-(1-piperidinyl)-Ph 2851 4-F H 4-(1-imidazolyl)-Ph 2852 4-F H 4-(1-imidazolyl)-Ph 2853 4-F H 4-(1-piperidinyl)-Ph 2854 4-F H 4-(1-piperidinyl)-Ph 2855 4-F H 4-(1-piperidinyl)-Ph 2856 4-F H 4-(1-piperidinyl)-Ph 2857 4-F H 4-(2-thiazolyl)-Ph 2857 4-F H 4-(2-pyridyl)-Ph 2857 4-F H 4-(1-me-5-tetrazolyl)-Ph 2857 4-F H 4-(2-thianyl)-Ph 2858 4-F H 4-(2-thianyl)-Ph 2859 4-F H 4-(2-thianyl)-Ph				
2830         4-F         H         4-Br-Ph           2831         4-F         H         4-SO2NH2-Ph           2832         4-F         H         4-SO2NHME-Ph           2833         4-F         H         4-CF3-Ph           2834         4-F         H         4-OME-Ph           2835         4-F         H         4-SOME-Ph           2836         4-F         H         4-SOME-Ph           2838         4-F         H         4-SOZME-Ph           2838         4-F         H         4-CHOHME-Ph           2839         4-F         H         4-CHOHME-Ph           2840         4-F         H         4-CHOHME-Ph           2841         4-F         H         4-CHOHME-Ph           2842         4-F         H         4-CHOHME-Ph           2843         4-F         H         4-CHOHME-Ph           2843         4-F         H         4-CHOHME-Ph           2844         4-F         H         4-CHOHME-Ph           2845         4-F         H         4-CHOHME-Ph           2846         4-F         H         4-CHOHME-Ph           2847         4-F         H				
2831 4-F H 4-SO2NH2-Ph 2832 4-F H 4-SO2NHME-Ph 2833 4-F H 4-CF3-Ph 2834 4-F H 4-OME-Ph 2835 4-F H 4-SME-Ph 2835 4-F H 4-SME-Ph 2836 4-F H 4-SOME-Ph 2836 4-F H 4-SOME-Ph 2837 4-F H 4-SOME-Ph 2838 4-F H 4-CH2OH-Ph 2839 4-F H 4-CH2OH-Ph 2840 4-F H 4-CH2OH-Ph 2841 4-F H 4-CH(Me) 2-Ph 2842 4-F H 4-ME-Ph 2842 4-F H 4-EP-Ph 2844 4-F H 4-EP-Ph 2845 4-F H 4-IPP-Ph 2846 4-F H 4-IPP-Ph 2847 4-F H 4-(1-pyrrolidinyl)-Ph 2848 4-F H 4-(1-pyrrolidinyl)-Ph 2849 4-F H 4-(2-imidazolyl)-Ph 2850 4-F H 4-(2-imidazolyl)-Ph 2851 4-F H 4-(2-imidazolyl)-Ph 2852 4-F H 4-(2-thiazolyl)-Ph 2853 4-F H 4-(2-thiazolyl)-Ph 2854 4-F H 4-(2-thiazolyl)-Ph 2855 4-F H 4-(1-pyrazolyl)-Ph 2857 4-F H 4-(1-pyrazolyl)-Ph 2858 4-F H 4-(2-thianyl)-Ph 2858 4-F H 4-(2-thianyl)-Ph 2858 4-F H 4-(2-thianyl)-Ph 2859 4-F H 4-(2-thianyl)-Ph 2859 4-F H 4-(2-thianyl)-Ph 2859 4-F H 4-(2-thianyl)-Ph 2859 4-F H 4-(2-thianyl)-Ph 2859 4-F H 4-(2-thianyl)-Ph 2859 4-F H 4-(2-thianyl)-Ph 2859 4-F H 4-(2-thianyl)-Ph 2859 4-F H 4-(2-thianyl)-Ph 2859 4-F H 4-(2-thianyl)-Ph 2859 4-F H 4-(2-thianyl)-Ph 2859 4-F H 4-(2-thianyl)-Ph 2859 4-F H 4-(2-thianyl)-Ph 2860 4-F H 2-COME-Ph 2861 4-F H 2-COME-Ph 2863 4-F H 2-COMH2-Ph 2863 4-F H 2-CONHME-Ph				
2832 4-F H 4-SO2NHMe-Ph 2833 4-F H 4-CF3-Ph 2834 4-F H 4-OME-Ph 2835 4-F H 4-SME-Ph 2836 4-F H 4-SOME-Ph 2837 4-F H 4-SOME-Ph 2837 4-F H 4-SOME-Ph 2838 4-F H 4-OH-Ph 2839 4-F H 4-CH2OH-Ph 2840 4-F H 4-CH0HME-Ph 2841 4-F H 4-CH0HME-Ph 2842 4-F H 4-Et-Ph 2843 4-F H 4-Et-Ph 2844 4-F H 4-Et-Ph 2845 4-F H 4-CH2OME-Ph 2846 4-F H 4-CH2OME-Ph 2847 4-F H 4-CH2OME-Ph 2848 4-F H 4-CH2OME-Ph 2848 4-F H 4-CH2OME-Ph 2849 4-F H 4-CH2OME-Ph 2850 4-F H 4-CI-piperidinyl)-Ph 2851 4-F H 4-CI-piperidinyl)-Ph 2851 4-F H 4-CI-piperidinyl)-Ph 2852 4-F H 4-CI-imidazolyl)-Ph 2853 4-F H 4-CI-imidazolyl)-Ph 2854 4-F H 4-CI-imidazolyl)-Ph 2855 4-F H 4-CI-piperidinyl)-Ph 2856 4-F H 4-CI-piperidinyl)-Ph 2857 4-F H 4-CI-piperidinyl)-Ph 2858 4-F H 4-CI-piperidinyl)-Ph 2859 4-F H 4-CI-imidazolyl)-Ph 2859 4-F H 4-CI-piperidinyl)-Ph 2850 4-F H 4-CI-piperidinyl)-Ph 2850 4-F H 4-CI-piperidinyl)-Ph 2851 4-F H 4-CI-piperidinyl)-Ph 2852 4-F H 4-CI-piperidinyl)-Ph 2853 4-F H 4-CI-piperidinyl)-Ph 2854 4-F H 4-CI-piperidinyl)-Ph 2855 4-F H 4-CI-piperidinyl)-Ph 2856 4-F H 4-CI-piperidinyl)-Ph 2857 4-F H 4-CI-piperidinyl)-Ph 2858 4-F H 4-CI-piperidinyl)-Ph 2859 4-F H 4-CI-piperidinyl)-Ph 2850 4-F H 4-CI-piperidinyl)-Ph 2850 4-F H 4-CI-piperidinyl)-Ph 2850 4-F H 4-CI-piperidinyl)-Ph 2850 4-F H 4-CI-piperidinyl)-Ph 2850 4-F H 4-CI-piperidinyl)-Ph 2850 4-F H 4-CI-piperidinyl)-Ph 2850 4-F H 4-CI-piperidinyl)-Ph 2850 4-F H 4-CI-piperidinyl)-Ph 2850 4-F H 4-CI-piperidinyl)-Ph 2850 4-F H 4-CI-piperidinyl)-Ph 2850 4-F H 4-CI-piperidinyl)-Ph 2850 4-F H 4-CI-piperidinyl)-Ph 2850 4-F H 4-CI-piperidinyl)-Ph 2850 4-F H 4-CI-piperidinyl)-Ph 2850 4-F H 4-CI-piperidinyl				
2833 4-F H 4-OME-Ph 2834 4-F H 4-OME-Ph 2836 4-F H 4-SME-Ph 2836 4-F H 4-SOME-Ph 2837 4-F H 4-SOME-Ph 2837 4-F H 4-SOME-Ph 2838 4-F H 4-OH-Ph 2839 4-F H 4-CH2OH-Ph 2840 4-F H 4-CH0ME-Ph 2841 4-F H 4-CH0ME-Ph 2842 4-F H 4-Et-Ph 2843 4-F H 4-Et-Ph 2844 4-F H 4-iPr-Ph 2845 4-F H 4-CH2COZME-Ph 2846 4-F H 4-CH2COZME-Ph 2847 4-F H 4-(1-piperidiny1)-Ph 2848 4-F H 4-(1-piperidiny1)-Ph 2849 4-F H 4-(1-piperidiny1)-Ph 2850 4-F H 4-(2-imidazoly1)-Ph 2851 4-F H 4-(2-imidazoly1)-Ph 2852 4-F H 4-(3-pyrazoly1)-Ph 2853 4-F H 4-(3-pyrazoly1)-Ph 2854 4-F H 4-(2-thiazoly1)-Ph 2855 4-F H 4-(5-Me-1-tetrazoly1)-Ph 2856 4-F H 4-(1-Me-5-tetrazoly1)-Ph 2857 4-F H 4-(2-thiany1)-Ph 2858 4-F H 4-(2-thiany1)-Ph 2858 4-F H 4-(2-thiany1)-Ph 2859 4-F H 4-(2-thiany1)-Ph 2859 4-F H 4-(2-thiany1)-Ph 2859 4-F H 4-(2-thiany1)-Ph 2859 4-F H 4-(2-thiany1)-Ph 2859 4-F H 4-(2-thiany1)-Ph 2859 4-F H 4-(2-thiany1)-Ph 2859 4-F H 4-(2-thiany1)-Ph 2859 4-F H 4-(2-thiany1)-Ph 2859 4-F H 4-(2-thiany1)-Ph 2859 4-F H 2-COM-Ph 2861 4-F H 2-COM-Ph 2862 4-F H 2-COM-Ph 2863 4-F H 2-COM-Ph				
2834 4-F H 4-SMe-Ph 2835 4-F H 4-SMe-Ph 2836 4-F H 4-SMe-Ph 2837 4-F H 4-SOME-Ph 2838 4-F H 4-SOME-Ph 2838 4-F H 4-OH-Ph 2839 4-F H 4-CH2OH-Ph 2840 4-F H 4-CH0HMe-Ph 2841 4-F H 4-CH0HMe-Ph 2842 4-F H 4-Me-Ph 2843 4-F H 4-E-Ph 2844 4-F H 4-E-Ph 2845 4-F H 4-EHP 2846 4-F H 4-CH2CO2Me-Ph 2847 4-F H 4-(1-piperidinyl)-Ph 2849 4-F H 4-(1-piperidinyl)-Ph 2849 4-F H 4-(1-piperidinyl)-Ph 2850 4-F H 4-(1-midazolyl)-Ph 2851 4-F H 4-(2-thiazolyl)-Ph 2852 4-F H 4-(1-pyrazolyl)-Ph 2853 4-F H 4-(1-pyrazolyl)-Ph 2854 4-F H 4-(2-thiazolyl)-Ph 2855 4-F H 4-(1-pyrazolyl)-Ph 2856 4-F H 4-(1-pyrazolyl)-Ph 2857 4-F H 4-(1-midazolyl)-Ph 2858 4-F H 4-(1-midazolyl)-Ph 2858 4-F H 4-(1-pyrazolyl)-Ph 2858 4-F H 4-(1-pyrazolyl)-Ph 2858 4-F H 4-(1-midazolyl)-Ph 2859 4-F H 4-(1-midazolyl)-Ph 2856 4-F H 4-(1-midazolyl)-Ph 2857 4-F H 4-(1-midazolyl)-Ph 2858 4-F H 4-(1-midazolyl)-Ph 2858 4-F H 4-(1-midazolyl)-Ph 2859 4-F H 4-(1-midazolyl)-Ph 2859 4-F H 4-(1-midazolyl)-Ph 2859 4-F H 4-(1-midazolyl)-Ph 2859 4-F H 4-(1-midazolyl)-Ph 2859 4-F H 4-(1-midazolyl)-Ph 2859 4-F H 4-(1-midazolyl)-Ph 2859 4-F H 4-(1-midazolyl)-Ph 2859 4-F H 4-(1-midazolyl)-Ph 2859 4-F H 4-(1-midazolyl)-Ph 2859 4-F H 4-(1-midazolyl)-Ph 2850 4-F H 4-(1-midazolyl)-Ph 2851 4-F H 4-(1-midazolyl)-Ph 2852 4-F H 4-(1-midazolyl)-Ph 2853 4-F H 4-(1-midazolyl)-Ph 2854 4-F H 4-(1-midazolyl)-Ph 2855 4-F H 4-(1-midazolyl)-Ph 2856 4-F H 4-(1-midazolyl)-Ph 2857 4-F H 4-(1-midazolyl)-Ph 2858 4-F H 4-(1-midazolyl)-Ph 2859 4-F H 4-(1-midazolyl)-Ph 2850 4-F H 4-(1-midazolyl)-Ph 2851 4-F H 4-(1-midazolyl)-Ph 2852 4-F H 4-(1-midazolyl)-Ph 2853 4-F H 4-(1-midazolyl)-Ph 2854 4-F H 4-(1-midazolyl)-Ph 2855 4-F H 4-(1-midazolyl)-Ph 2856 4-F H 4-(1-midazolyl)-Ph 2857 4-F H 4-(1-midazolyl)-Ph 2858 4-F H 4-(1-midazolyl)-Ph 2858 4-F H 4-(1-midazolyl)-Ph 2858 4-F H 4-(1-midazolyl)-Ph 2858 4-F H 4-(1-midazolyl)-Ph 2859 4-F H 4-(1-midazolyl)-Ph 2850 4-F H 4-(1-midazolyl)-Ph 2850 4-F H 4-(1-midazolyl)-Ph 2850 4-F H 4-(1-midazolyl)-Ph 2850 4-F H 4-(1-midazolyl)-Ph 2850 4-F H 4-(1-midazolyl)-Ph 2850 4-F H 4-(				<u></u>
2835         4-F         H         4-SMe-Ph           2836         4-F         H         4-SOMe-Ph           2837         4-F         H         4-SOZMe-Ph           2838         4-F         H         4-OH-Ph           2839         4-F         H         4-CH2OH-Ph           2840         4-F         H         4-CHOHMe-Ph           2841         4-F         H         4-CHOHMe-Ph           2842         4-F         H         4-Me-Ph           2843         4-F         H         4-Et-Ph           2844         4-F         H         4-Et-Ph           2845         4-F         H         4-Et-Ph           2846         4-F         H         4-CH2CO2Me-Ph           2847         4-F         H         4-CH2CO2Me-Ph           2848         4-F         H         4-CH2CO2Me-Ph           2848         4-F         H         4-CH2CO2Me-Ph           2848         4-F         H         4-CH2CO2Me-Ph           2849         4-F         H         4-CH2CO2Me-Ph           2850         4-F         H         4-CI-pyroldidinyl)-Ph           2851         4-F         H <td></td> <td></td> <td></td> <td></td>				
2836         4-F         H         4-SOME-Ph           2837         4-F         H         4-SOZME-Ph           2838         4-F         H         4-OH-Ph           2839         4-F         H         4-CHOHME-Ph           2840         4-F         H         4-CHOHME-Ph           2841         4-F         H         4-CHOHME-Ph           2842         4-F         H         4-ME-Ph           2843         4-F         H         4-Et-Ph           2844         4-F         H         4-Et-Ph           2845         4-F         H         4-Et-Ph           2846         4-F         H         4-Et-Ph           2847         4-F         H         4-CH2COZME-Ph           2848         4-F         H         4-CH2COZME-Ph           2849         4-F         H         4-CH2COZME-Ph           2849         4-F         H         4-CH2COZME-Ph           2850         4-F         H         4-C1-piperidinyl)-Ph           2851         4-F         H         4-C1-piperidinyl)-Ph           2851         4-F         H         4-C1-piperidinyl)-Ph           2851         4-F				
2837         4-F         H         4-SO2Me-Ph           2838         4-F         H         4-OH-Ph           2839         4-F         H         4-CH2OH-Ph           2840         4-F         H         4-CHOHMe-Ph           2841         4-F         H         4-CHCH(Me) 2-Ph           2842         4-F         H         4-Me-Ph           2843         4-F         H         4-Et-Ph           2844         4-F         H         4-Et-Ph           2845         4-F         H         4-EtBu-Ph           2846         4-F         H         4-CH2CO2Me-Ph           2847         4-F         H         4-CH2CO2Me-Ph           2848         4-F         H         4-CH2CO2Me-Ph           2848         4-F         H         4-CH2CO2Me-Ph           2849         4-F         H         4-CH2CO2Me-Ph           2849         4-F         H         4-C1-pyrrolidinyl)-Ph           2850         4-F         H         4-C1-imidazolyl)-Ph           2851         4-F         H         4-C2-imidazolyl)-Ph           2851         4-F         H         4-C2-thiazolyl)-Ph           2852				
2838         4-F         H         4-OH-Ph           2839         4-F         H         4-CH2OH-Ph           2840         4-F         H         4-CHOHMe-Ph           2841         4-F         H         4-Me-Ph           2842         4-F         H         4-Me-Ph           2843         4-F         H         4-Et-Ph           2844         4-F         H         4-Et-Ph           2845         4-F         H         4-Et-Ph           2846         4-F         H         4-CH2CO2Me-Ph           2847         4-F         H         4-CH2CO2Me-Ph           2848         4-F         H         4-CH2CO2Me-Ph           2849         4-F         H         4-CH2CO2Me-Ph           2849         4-F         H         4-CH2CO2Me-Ph           2849         4-F         H         4-C1-pyraclidinyl)-Ph           2850         4-F         H         4-C1-pyraclidinyl)-Ph           2851         4-F         H         4-C1-imidazolyl)-Ph           2851         4-F         H         4-C2-imidazolyl)-Ph           2852         4-F         H         4-C2-pyrazolyl)-Ph           2853				
2839         4-F         H         4-CH2OH-Ph           2840         4-F         H         4-CHOHMe-Ph           2841         4-F         H         4-CHOHMe-Ph           2842         4-F         H         4-Me-Ph           2843         4-F         H         4-Et-Ph           2845         4-F         H         4-Et-Ph           2845         4-F         H         4-CH2CO2Me-Ph           2846         4-F         H         4-CH2CO2Me-Ph           2847         4-F         H         4-CH2CO2Me-Ph           2848         4-F         H         4-CH2CO2Me-Ph           2849         4-F         H         4-CH2CO2Me-Ph           2849         4-F         H         4-CH2CO2Me-Ph           2850         4-F         H         4-C1-pyrrolidinyl)-Ph           2850         4-F         H         4-C1-pyrrolidinyl)-Ph           2851         4-F         H         4-C2-thiazolyl)-Ph           2851         4-F         H         4-C2-thiazolyl)-Ph           2853         4-F         H         4-C3-pyrazolyl)-Ph           2854         4-F         H         4-C5-me-1-tetrazolyl)-Ph				
2840         4-F         H         4-CHOHME-Ph           2841         4-F         H         4-COH (Me) 2-Ph           2842         4-F         H         4-Me-Ph           2843         4-F         H         4-Et-Ph           2844         4-F         H         4-EHP-Ph           2845         4-F         H         4-CH2CO2Me-Ph           2846         4-F         H         4-CH2CO2Me-Ph           2847         4-F         H         4-CH2CO2Me-Ph           2848         4-F         H         4-CH2CO2Me-Ph           2848         4-F         H         4-CH2CO2Me-Ph           2849         4-F         H         4-CH2CO2Me-Ph           2849         4-F         H         4-CI-piperidinyl)-Ph           2850         4-F         H         4-CI-piperidinyl)-Ph           2850         4-F         H         4-CI-piperidinyl)-Ph           2851         4-F         H         4-C1-piperidinyl)-Ph           2851         4-F         H         4-C1-piperidinyl)-Ph           2851         4-F         H         4-C1-imidazolyl)-Ph           2852         4-F         H         4-C2-thiazolyl)-Ph				
2841       4-F       H       4-COH(Me)2-Ph         2842       4-F       H       4-Me-Ph         2843       4-F       H       4-Et-Ph         2844       4-F       H       4-iPr-Ph         2845       4-F       H       4-tBu-Ph         2846       4-F       H       4-CH2CO2Me-Ph         2847       4-F       H       4-(1-piperidinyl)-Ph         2848       4-F       H       4-(1-pyrrolidinyl)-Ph         2849       4-F       H       4-(2-imidazolyl)-Ph         2850       4-F       H       4-(2-imidazolyl)-Ph         2851       4-F       H       4-(2-thiazolyl)-Ph         2851       4-F       H       4-(2-thiazolyl)-Ph         2852       4-F       H       4-(1-pyrazolyl)-Ph         2853       4-F       H       4-(1-pyrazolyl)-Ph         2854       4-F       H       4-(1-me-5-tetrazolyl)-Ph         2855       4-F       H       4-(2-pyridyl)-Ph         2856       4-F       H       4-(2-pyridyl)-Ph         2858       4-F       H       4-(2-thienyl)-Ph         2859       4-F       H       2-CN-Ph				
2842       4-F       H       4-Me-Ph         2843       4-F       H       4-Et-Ph         2844       4-F       H       4-iPr-Ph         2845       4-F       H       4-tBu-Ph         2846       4-F       H       4-CH2CO2Me-Ph         2847       4-F       H       4-(1-piperidinyl)-Ph         2848       4-F       H       4-(1-piperidinyl)-Ph         2849       4-F       H       4-(1-piperidinyl)-Ph         2850       4-F       H       4-(2-imidazolyl)-Ph         2850       4-F       H       4-(2-imidazolyl)-Ph         2851       4-F       H       4-(2-thiazolyl)-Ph         2851       4-F       H       4-(3-pyrazolyl)-Ph         2852       4-F       H       4-(1-pyrazolyl)-Ph         2853       4-F       H       4-(5-Me-1-tetrazolyl)-Ph         2854       4-F       H       4-(2-pyridyl)-Ph         2855       4-F       H       4-(2-pyridyl)-Ph         2856       4-F       H       4-(2-thienyl)-Ph         2858       4-F       H       4-(2-furanyl)-Ph         2859       4-F       H       2-CON-Ph				
2843       4-F       H       4-Et-Ph         2844       4-F       H       4-iPr-Ph         2845       4-F       H       4-tBu-Ph         2846       4-F       H       4-CH2CO2Me-Ph         2847       4-F       H       4-(1-piperidinyl)-Ph         2848       4-F       H       4-(1-pyrrolidinyl)-Ph         2849       4-F       H       4-(2-imidazolyl)-Ph         2850       4-F       H       4-(1-imidazolyl)-Ph         2851       4-F       H       4-(2-thiazolyl)-Ph         2852       4-F       H       4-(3-pyrazolyl)-Ph         2853       4-F       H       4-(1-pyrazolyl)-Ph         2853       4-F       H       4-(5-Me-1-tetrazolyl)-Ph         2854       4-F       H       4-(2-pyridyl)-Ph         2855       4-F       H       4-(2-pyridyl)-Ph         2856       4-F       H       4-(2-thienyl)-Ph         2857       4-F       H       4-(2-thienyl)-Ph         2858       4-F       H       4-(2-furanyl)-Ph         2859       4-F       H       2-CON-Ph         2861       4-F       H       2-COMe-Ph				
2844       4-F       H       4-iPr-Ph         2845       4-F       H       4-tBu-Ph         2846       4-F       H       4-CH2CO2Me-Ph         2847       4-F       H       4-(1-piperidinyl)-Ph         2848       4-F       H       4-(1-pyrrolidinyl)-Ph         2849       4-F       H       4-(2-imidazolyl)-Ph         2850       4-F       H       4-(1-imidazolyl)-Ph         2851       4-F       H       4-(2-thiazolyl)-Ph         2852       4-F       H       4-(3-pyrazolyl)-Ph         2853       4-F       H       4-(1-pyrazolyl)-Ph         2853       4-F       H       4-(5-Me-1-tetrazolyl)-Ph         2854       4-F       H       4-(2-pyridyl)-Ph         2855       4-F       H       4-(2-pyridyl)-Ph         2856       4-F       H       4-(2-thienyl)-Ph         2857       4-F       H       4-(2-thienyl)-Ph         2858       4-F       H       2-CN-Ph         2859       4-F       H       2-CN-Ph         2860       4-F       H       2-COMe-Ph         2861       4-F       H       2-CONHMe-Ph				
2845       4-F       H       4-tBu-Ph         2846       4-F       H       4-CH2CO2Me-Ph         2847       4-F       H       4-(1-piperidinyl)-Ph         2848       4-F       H       4-(1-pyrrolidinyl)-Ph         2849       4-F       H       4-(2-imidazolyl)-Ph         2850       4-F       H       4-(1-imidazolyl)-Ph         2851       4-F       H       4-(2-thiazolyl)-Ph         2852       4-F       H       4-(3-pyrazolyl)-Ph         2853       4-F       H       4-(1-pyrazolyl)-Ph         2854       4-F       H       4-(5-Me-1-tetrazolyl)-Ph         2855       4-F       H       4-(2-pyridyl)-Ph         2856       4-F       H       4-(2-pyridyl)-Ph         2857       4-F       H       4-(2-thienyl)-Ph         2858       4-F       H       2-CN-Ph         2859       4-F       H       2-CN-Ph         2860       4-F       H       2-COMe-Ph         2861       4-F       H       2-CONH2-Ph         2862       4-F       H       2-CONHMe-Ph				
2846       4-F       H       4-CH2CO2Me-Ph         2847       4-F       H       4-(1-piperidinyl)-Ph         2848       4-F       H       4-(1-pyrrolidinyl)-Ph         2849       4-F       H       4-(2-imidazolyl)-Ph         2850       4-F       H       4-(1-imidazolyl)-Ph         2851       4-F       H       4-(2-thiazolyl)-Ph         2852       4-F       H       4-(3-pyrazolyl)-Ph         2853       4-F       H       4-(1-pyrazolyl)-Ph         2854       4-F       H       4-(5-Me-1-tetrazolyl)-Ph         2855       4-F       H       4-(2-pyridyl)-Ph         2856       4-F       H       4-(2-pyridyl)-Ph         2857       4-F       H       4-(2-thienyl)-Ph         2858       4-F       H       4-(2-furanyl)-Ph         2859       4-F       H       2-CN-Ph         2860       4-F       H       2-COMe-Ph         2861       4-F       H       2-COMH-Ph         2862       4-F       H       2-CONHMe-Ph				
2847       4-F       H       4-(1-piperidinyl)-Ph         2848       4-F       H       4-(1-pyrrolidinyl)-Ph         2849       4-F       H       4-(2-imidazolyl)-Ph         2850       4-F       H       4-(1-imidazolyl)-Ph         2851       4-F       H       4-(2-thiazolyl)-Ph         2852       4-F       H       4-(3-pyrazolyl)-Ph         2853       4-F       H       4-(1-pyrazolyl)-Ph         2854       4-F       H       4-(5-Me-1-tetrazolyl)-Ph         2855       4-F       H       4-(2-pyridyl)-Ph         2856       4-F       H       4-(2-pyridyl)-Ph         2857       4-F       H       4-(2-thienyl)-Ph         2858       4-F       H       4-(2-thienyl)-Ph         2859       4-F       H       2-CN-Ph         2860       4-F       H       2-COMe-Ph         2861       4-F       H       2-COMe-Ph         2862       4-F       H       2-CONH2-Ph         2863       4-F       H       2-CONHMe-Ph				
2848       4-F       H       4-(1-pyrrolidinyl) -Ph         2849       4-F       H       4-(2-imidazolyl) -Ph         2850       4-F       H       4-(1-imidazolyl) -Ph         2851       4-F       H       4-(2-thiazolyl) -Ph         2852       4-F       H       4-(3-pyrazolyl) -Ph         2853       4-F       H       4-(1-pyrazolyl) -Ph         2854       4-F       H       4-(5-Me-1-tetrazolyl) -Ph         2855       4-F       H       4-(2-pyridyl) -Ph         2856       4-F       H       4-(2-pyridyl) -Ph         2857       4-F       H       4-(2-thienyl) -Ph         2858       4-F       H       4-(2-thienyl) -Ph         2859       4-F       H       2-CN-Ph         2860       4-F       H       2-COMe-Ph         2861       4-F       H       2-COMe-Ph         2862       4-F       H       2-CONH2-Ph         2863       4-F       H       2-CONHMe-Ph				
2849       4-F       H       4-(2-imidazolyl)-Ph         2850       4-F       H       4-(1-imidazolyl)-Ph         2851       4-F       H       4-(2-thiazolyl)-Ph         2852       4-F       H       4-(3-pyrazolyl)-Ph         2853       4-F       H       4-(1-pyrazolyl)-Ph         2854       4-F       H       4-(5-Me-1-tetrazolyl)-Ph         2855       4-F       H       4-(1-Me-5-tetrazolyl)-Ph         2856       4-F       H       4-(2-pyridyl)-Ph         2857       4-F       H       4-(2-thienyl)-Ph         2858       4-F       H       4-(2-thienyl)-Ph         2859       4-F       H       2-CN-Ph         2860       4-F       H       2-COMe-Ph         2861       4-F       H       2-COMe-Ph         2862       4-F       H       2-CONH2-Ph         2863       4-F       H       2-CONHMe-Ph				
2850       4-F       H       4-(1-imidazolyl)-Ph         2851       4-F       H       4-(2-thiazolyl)-Ph         2852       4-F       H       4-(3-pyrazolyl)-Ph         2853       4-F       H       4-(1-pyrazolyl)-Ph         2854       4-F       H       4-(5-Me-1-tetrazolyl)-Ph         2855       4-F       H       4-(1-Me-5-tetrazolyl)-Ph         2856       4-F       H       4-(2-pyridyl)-Ph         2857       4-F       H       4-(2-thienyl)-Ph         2858       4-F       H       4-(2-furanyl)-Ph         2859       4-F       H       2-CN-Ph         2860       4-F       H       2-COMe-Ph         2861       4-F       H       2-COMe-Ph         2862       4-F       H       2-CONH2-Ph         2863       4-F       H       2-CONHMe-Ph				
2851       4-F       H       4-(2-thiazolyl)-Ph         2852       4-F       H       4-(3-pyrazolyl)-Ph         2853       4-F       H       4-(1-pyrazolyl)-Ph         2854       4-F       H       4-(5-Me-1-tetrazolyl)-Ph         2855       4-F       H       4-(1-Me-5-tetrazolyl)-Ph         2856       4-F       H       4-(2-pyridyl)-Ph         2857       4-F       H       4-(2-thienyl)-Ph         2858       4-F       H       4-(2-furanyl)-Ph         2859       4-F       H       2-CN-Ph         2860       4-F       H       2-COMe-Ph         2861       4-F       H       2-COMe-Ph         2862       4-F       H       2-CONH2-Ph         2863       4-F       H       2-CONHMe-Ph				
2852       4-F       H       4-(3-pyrazolyl)-Ph         2853       4-F       H       4-(1-pyrazolyl)-Ph         2854       4-F       H       4-(5-Me-1-tetrazolyl)-Ph         2855       4-F       H       4-(1-Me-5-tetrazolyl)-Ph         2856       4-F       H       4-(2-pyridyl)-Ph         2857       4-F       H       4-(2-thienyl)-Ph         2858       4-F       H       4-(2-furanyl)-Ph         2859       4-F       H       2-CN-Ph         2860       4-F       H       2-COMe-Ph         2861       4-F       H       2-COMe-Ph         2862       4-F       H       2-CONH2-Ph         2863       4-F       H       2-CONHMe-Ph				
2853       4-F       H       4-(1-pyrazolyl)-Ph         2854       4-F       H       4-(5-Me-1-tetrazolyl)-Ph         2855       4-F       H       4-(1-Me-5-tetrazolyl)-Ph         2856       4-F       H       4-(2-pyridyl)-Ph         2857       4-F       H       4-(2-thienyl)-Ph         2858       4-F       H       4-(2-furanyl)-Ph         2859       4-F       H       2-CN-Ph         2860       4-F       H       2-COMe-Ph         2861       4-F       H       2-COMe-Ph         2862       4-F       H       2-CONH2-Ph         2863       4-F       H       2-CONHMe-Ph				
2854     4-F     H     4-(5-Me-1-tetrazoly1)-Ph       2855     4-F     H     4-(1-Me-5-tetrazoly1)-Ph       2856     4-F     H     4-(2-pyridy1)-Ph       2857     4-F     H     4-(2-thieny1)-Ph       2858     4-F     H     4-(2-furany1)-Ph       2859     4-F     H     2-CN-Ph       2860     4-F     H     2-COMe-Ph       2861     4-F     H     2-CONH2-Ph       2862     4-F     H     2-CONHMe-Ph				
2855     4-F     H     4-(1-Me-5-tetrazoly1)-Ph       2856     4-F     H     4-(2-pyridy1)-Ph       2857     4-F     H     4-(2-thieny1)-Ph       2858     4-F     H     4-(2-furany1)-Ph       2859     4-F     H     2-CN-Ph       2860     4-F     H     2-COMe-Ph       2861     4-F     H     2-CO2Me-Ph       2862     4-F     H     2-CONH2-Ph       2863     4-F     H     2-CONHMe-Ph				
2856     4-F     H     4-(2-pyridyl)-Ph       2857     4-F     H     4-(2-thienyl)-Ph       2858     4-F     H     4-(2-furanyl)-Ph       2859     4-F     H     2-CN-Ph       2860     4-F     H     2-COMe-Ph       2861     4-F     H     2-CO2Me-Ph       2862     4-F     H     2-CONH2-Ph       2863     4-F     H     2-CONHMe-Ph				
2857     4-F     H     4-(2-thienyl)-Ph       2858     4-F     H     4-(2-furanyl)-Ph       2859     4-F     H     2-CN-Ph       2860     4-F     H     2-COMe-Ph       2861     4-F     H     2-COMe-Ph       2862     4-F     H     2-CONH2-Ph       2863     4-F     H     2-CONHMe-Ph		4-F		
2858     4-F     H     4-(2-furany1)-Ph       2859     4-F     H     2-CN-Ph       2860     4-F     H     2-COMe-Ph       2861     4-F     H     2-CO2Me-Ph       2862     4-F     H     2-CONH2-Ph       2863     4-F     H     2-CONHMe-Ph		<del></del>		
2859     4-F     H     2-CN-Ph       2860     4-F     H     2-COMe-Ph       2861     4-F     H     2-CO2Me-Ph       2862     4-F     H     2-CONH2-Ph       2863     4-F     H     2-CONHMe-Ph				
2860     4-F     H     2-COMe-Ph       2861     4-F     H     2-CO2Me-Ph       2862     4-F     H     2-CONH2-Ph       2863     4-F     H     2-CONHMe-Ph		4-F		
2861     4-F     H     2-CO2Me-Ph       2862     4-F     H     2-CONH2-Ph       2863     4-F     H     2-CONHMe-Ph		4-F	Н	
2862         4-F         H         2-CONH2-Ph           2863         4-F         H         2-CONHMe-Ph	2860	4-F	H	2-COMe-Ph
2863 4-F H 2-CONHMe-Ph	2861	4-F	Н	2-CO2Me-Ph
	2862	4-F	Н	2-CONH2-Ph
2864 4-F H 2-F-Ph	2863	4-F	Н	
#VV =   = +	2864	4-F	H	2-F-Ph

2865	4-F	H	2-C1-Ph
2866	4-F	H	2-Br-Ph
2867	4-F	H	2-SO2NH2-Ph
2868	4-F	H	2-SO2NHMe-Ph
2869	4-F	H	2-CF3-Ph
2870	4-F	H	2-OMe-Ph
2871	4-F	H	2-SMe-Ph
2872	4-F	Н	2-SOMe-Ph
2873	4-F	H	2-SO2Me-Ph
2874	4-F	Н	2-OH-Ph
2875	4-F	H	2-CH2OH-Ph
2876	4-F	Н	2-CHOHMe-Ph
2877	4-F	H	2-COH (Me) 2-Ph
2878	4-F	H	2-Me-Ph
2879	4-F	H	2-Me-Fii 2-Et-Ph
2880	4-F	H	2-iPr-Ph
2881	4-F	H	2-tBu-Ph
2882	4-F	H	2-CH2CO2Me-Ph
2883	4-F	H	2-(1-piperidinyl)-Ph
2884	4-F	H	2-(1-pyrrolidinyl)-Ph
2885	4-F	H	2-(2-imidazoly1)-Ph
2886	4-F	H	2-(1-imidazoly1)-Ph
2887	4-F	H	2-(2-thiazolyl)-Ph
2888	4-F	H	2-(3-pyrazolyl)-Ph
2889	4-F	H	2-(1-pyrazolyl)-Ph
2890	4-F	H	2-(5-Me-1-tetrazolyl)-Ph
2891	4-F	Н	2-(1-Me-5-tetrazoly1)-Ph
2892	4-F	Н	2-(2-pyridyl)-Ph
2893	4-F	Н	2-(2-thienyl)-Ph
2894	4-F	Н	2-(2-furanyl)-Ph
2895	4-F	Н	2,4-diF-Ph
2896	4-F	Н	2,5-diF-Ph
2897	4-F	Н	2,6-diF-Ph
2898	4-F	Н	3,4-diF-Ph
2899	4-F	Н	3,5-diF-Ph
2900	4-F	н	2,4-diCl-Ph
2901	4-F	H	2,5-diCl-Ph
2902	4-F	H	2,6-diCl-Ph
2903	4-F	H	3,4-diCl-Ph
2904	4-F	H	3,5-diCl-Ph
2905	4-F	<u>н</u>	3,4-diCF3-Ph
			3,4-dicF3-Ph 3,5-diCF3-Ph
2906	4-F	H	<del> </del>
2907	4-F	H	5-C1-2-MeO-Ph
2908	4-F	H	5-C1-2-Me-Ph
2909	4-F	H	2-F-5-Me-Ph
2910	4-F	H	3-F-5-morpholino-Ph
2911	4-F	<u>H</u>	3,4-OCH2O-Ph
2912	4-F	H	3,4-OCH2CH2O-Ph
2913	4-F	H	2-MeO-5-CONH2-Ph
2914	4-F	H	2-MeO-4-(1-Me-5-tetrazolyl)-Ph
2915	4-F	H	2-MeO-5-(1-Me-5-tetrazolyl)-Ph
2916	4-F	H	3-CONH2-5-(1-Me-5-tetrazolyl)-Ph
2917	4-F	H	1-naphthyl
2918	4-F	Н	2-naphthyl
2919	4-F	H	2-thienyl

			<del></del>
2920	4-F	H	3-thienyl
2921	4-F	H	2-furany1
2922	4-F	Н	3-furany1
2923	4-F	H	2-pyridyl
2924	4-F	Н	3-pyridyl
2925	4-F	Н	4-pyridyl
2926	4-F	Н	2-indolyl
2927	4-F	H	3-indoly1
2928	4-F	H	5-indolyl
	4-F	H	6-indolyl
2929		H	3-indazolyl
2930	4-F		
2931	4-F	H	5-indazolyl
2932	4-F	H	6-indazolyl
2933	4-F	H	2-imidazolyl
2934	4-F	H	3-isoxazoyl
2935	4-F	H	3-pyrazolyl
2936	4-F	H	2-thiadiazolyl
2937	4-F	H	2-thiazolyl
2938	4-F	Н	5-Ac-4-Me-2-thiazolyl
2939	4-F	Н	5-tetrazolyl
2940	4-F	H	2-benzimidazolyl
2941	4-F	H	5-benzimidazolyl
2942	4-F	Н	2-benzothiazolyl
2943	4-F	H	5-benzothiazolyl
		H	2-benzoxazolyl
2944	4-F		<u></u>
2945	4-F	H	5-benzoxazolyl
2946	4-F	H	1-adamantyl
2947	4-F	H	2-adamantyl
2948	4-F	H	i-Pr
2949	4-F	H	t-Bu
2950	4-F	H	c-Hex
2951_	4-F	H	CH2CH2OMe
2952	4-F	H	CH2CONH2
2953	4-F	Н	CH2CO2Me
2954	4-F	H	CH(CH2Ph)CO2Me
2955	4-F	Н	CH2CH2NMe2
2956	4-F	Н	benzyl
2957	4-F	H	phenethyl
2958	4-F	Н	2-(morpholin-1-yl)-Et
2959	4-F	Me	Ph
2960	4-F	Me	3-CN-Ph
			3-CN-FII 3-COMe-Ph
2961	4-F	Me	3-COME-Ph
2962	4-F	Me	
2963	4-F	Me	3-CONH2-Ph
2964	4-F	Me	3-CONHMe-Ph
2965	4-F	Me	3-F-Ph
2966	4-F	Me	3-Cl-Ph
2967	4-F	Me	3-Br-Ph
2968	4-F	Me	3-SO2NH2-Ph
2969	4-F	Me	3-SO2NHMe-Ph
2970	4-F	Me	3-CF3-Ph
2971	4-F	Me	3-OMe-Ph
2972	4-F	Me	3-SMe-Ph
2973	4-F	Me	3-SMe-Ph
2974	4-F	Me	3-SO2Me-Ph
	. 4-7	ו וזכ	1 2-202ME-FII

2975	4-F	Me	3-OH-Ph
2976	4-F	Me	3-CH2OH-Ph
2977	4-F	Me	3-CHOHMe-Ph
2978	4-F	Me	3-COH (Me) 2-Ph
2979	4-F	Me	3-Me-Ph
2980	4-F	Me	3-Et-Ph
2981	4-F	Me	3-iPr-Ph
2982	4-F	Me	3-tBu-Ph
2983	4-F	Me	3-CH2CO2Me-Ph
2984	4-F	Me	3-(1-piperidinyl)-Ph
2985	4-F	Me	3-(1-pyrrolidinyl)-Ph
2986	4-F	Me	3-(2-imidazolyl)-Ph
2987	4-F	Me	3-(1-imidazolyl)-Ph
2988	4-F	Me	3-(2-thiazolyl)-Ph
2989	4-F	Me	3-(3-pyrazolyl)-Ph
2990	4-F	Me	3-(1-pyrazolyl)-Ph
2991	4-F	Me	3-(5-Me-1-tetrazolyl)-Ph
2992	4-F	Me	3-(1-Me-5-tetrazoly1)-Ph
2993	4-F	Me	3-(2-pyridy1)-Ph
2994	4-F	Me	3-(2-thieny1)-Ph
2995	4-F	Me	3-(2-furany1)-Ph
2996	4-F	Me	4-CN-Ph
2997	4-F	Me	4-COMe-Ph
2998	4-F	Me	4-CO2Me-Ph
2999	4-F	Me	4-CONH2-Ph
3000	4-F	Me	4-CONHMe-Ph
3001	4-F	Me	4-CONHPh-Ph
3002	4-F	Me	4-F-Ph
3003	4-F	Me	4-C1-Ph
3004	4-F	Me	4-Br-Ph
3005	4-F	Me	4-SO2NH2-Ph
3006	4-F	Me	4-SO2NHMe-Ph
3007	4-F	Me	4-CF3-Ph
3008	4-F	Me	4-OMe-Ph
3009	4-F	Me	4-SMe-Ph
3010	4-F	Me	4-SOMe-Ph
3011	4-F	Me	4-SO2Me-Ph
3012	4-F	Me	4-OH-Ph
3013	4-F	Me	4-CH2OH-Ph
3014	4-F	Me	4-CHOHMe-Ph
3015	4-F	Me	4-COH (Me) 2-Ph
3016	4-F	Me	4-Me-Ph
3017	4-F	Me	4-Et-Ph
3018	4-F	Me	4-iPr-Ph
3019	4-F	Me	4-tBu-Ph
3020	4-F	Me	4-CH2CO2Me-Ph
3021	4-F	Me	4-(1-piperidinyl)-Ph
3022	4-F	Me	4-(1-pyrrolidinyl)-Ph
3023	4-F	Me	4-(2-imidazolyl)-Ph
3024	4-F	Me	4-(1-imidazoly1)-Ph
3025	4-F	Me Me	4-(2-thiazoly1)-Ph
3026	4-F	Me Me	4-(3-pyrazoly1)-Ph
3027	4-F	Me Me	4-(1-pyrazoly1)-Ph
3027	4-F	Me Me	4-(1-pyrazoryr)-Ph 4-(5-Me-1-tetrazolyl)-Ph
3029	4-F	Mе	4-(1-Me-5-tetrazoly1)-Ph
3023	L	me I	4-(1-Me-)-cectasoly1/-Fil

		<del></del>	
3030	4-F	Me	4-(2-pyridy1)-Ph
3031	4-F	Me	4-(2-thieny1)-Ph
3032	4-F	Me	4-(2-furany1)-Ph
3033	4-F	Me	2-CN-Ph
3034	4-F	Me	2-COMe-Ph
3035	4-F	Me	2-CO2Me-Ph
3036	4-F	Me	2-CONH2-Ph
3037	4-F	Me	2-CONHMe-Ph
3038	4-F	Me	2-F-Ph
3039	4-F	Me	2-C1-Ph
3040	4-F	Me	2-Br-Ph
3041	4-F	Me	2-SO2NH2-Ph
3042	4-F	Me	2-SO2NHMe-Ph
3043	4-F	Me Me	2-SOZNIME-FII 2-CF3-Ph
	4-F		2-OMe-Ph
3044		Me	
3045	4-F	Me	2-SMe-Ph
3046	4-F	Me	2-SOMe-Ph
3047	4-F	Me_	2-SO2Me-Ph
3048	4-F	Me	2-OH-Ph
3049	4-F	Me	2-CH2OH-Ph
3050	4-F	Me	2-CHOHMe-Ph
3051	4-F	Me	2-COH(Me)2-Ph
3052	4-F	Me	2-Me-Ph
3053	4-F	Me	2-Et-Ph
3054	4-F	Me	2-iPr-Ph
3055	4-F	Me	2-tBu-Ph
3056	4-F	Me	2-CH2CO2Me-Ph
3057	4-F	Me	2-(1-piperidinyl)-Ph
3058	4-F	Me	2-(1-pyrrolidinyl)-Ph
3059	4-F	Me	2-(2-imidazoly1)-Ph
3060	4-F	Me	2-(1-imidazoly1)-Ph
3061	4-F	Me	2-(2-thiazolyl)-Ph
3062	4-F	Me	2-(3-pyrazoly1)-Ph
3063	4-F	Me	2-(1-pyrazoly1)-Ph
3064	4-F	Me	2-(5-Me-1-tetrazolyl)-Ph
3065	4-F		2-(3-Me-1-tetrazoly1)-Fh 2-(1-Me-5-tetrazoly1)-Ph
	4-F	Me	
3066		Me	2-(2-pyridyl)-Ph
3067	4-F	Me	2-(2-thieny1)-Ph
3068	4-F	Me	2-(2-furanyl)-Ph
3069	4-F	Me	2,4-diF-Ph
3070	4-F	Me	2,5-diF-Ph
3071	4-F	Me	2,6-diF-Ph
3072	4-F	Me	3,4-diF-Ph
3073	4-F	Me	3,5-diF-Ph
3074	4-F	Me	2,4-diCl-Ph
3075	4-F	Me	2,5-diCl-Ph
3076	4-F	Me	2,6-diCl-Ph
3077	4-F	Me	3,4-diCl-Ph
3078	4-F	Me	3,5-diCl-Ph
3079	4-F	Me	3,4-diCF3-Ph
3080	4-F	Me	3,5-diCF3-Ph
3081	4-F	Me	5-C1-2-MeO-Ph
3082	4-F	Me	5-C1-2-Me-Ph
3082	4-F	Me Me	2-F-5-Me-Ph
3084	4-F	Me	3-F-5-morpholino-Ph

3085	4-F	Me	3,4-OCH2O-Ph
3086	4-F	Me Me	3,4-0CH2O-PH 3,4-0CH2CH2O-Ph
3087	4-F	Me Me	2-MeO-5-CONH2-Ph
3088	4-F	Me Me	2-MeO-4-(1-Me-5-tetrazolyl)-Ph
3089	4-F	Me Me	2-MeO-4-(1-Me-3-tetrazoly1)-Ph 2-MeO-5-(1-Me-5-tetrazoly1)-Ph
3090	4-F	Me Me	3-CONH2-5-(1-Me-5-tetrazoly1)-Ph
	4-F		
3091		Me	1-naphthyl
3092	4-F	Me	2-naphthyl
3093	4-F	Me	2-thienyl
3094	4-F	Me Me	3-thienyl
3095	4-F	Me	2-furanyl
3096	4-F	Me	3-furanyl
3097	4-F	Me	2-pyridyl
3098	4-F	Me	3-pyridyl
3099	4-F	Me	4-pyridyl
3100	4-F	Me	2-indolyl
3101	4-F	Me	3-indolyl
3102	4-F	Me	5-indolyl
3103	4-F	Me	6-indolyl
3104	4-F	Me	3-indazolyl
3105	4-F	Me	5-indazolyl
3106	4-F	Me	6-indazolyl
3107	4-F	Me	2-imidazolyl
3108	4-F	Me	3-isoxazoyl
3109	4-F	Me	3-pyrazolyl
3110	4-F	Me	2-thiadiazolyl
3111	4-F	Me	2-thiazolyl
3112	4-F	Me	5-Ac-4-Me-2-thiazolyl
3113	4-F	Me	5-tetrazolyl
3114	4-F	Me	2-benzimidazolyl
3115	4-F	Me	5-benzimidazolyl
3116	4-F	Me	2-benzothiazolyl
3117	4-F	Me	5-benzothiazolyl
3118	4-F	Me	2-benzoxazolyl
3119	4-F	Me	5-benzoxazolyl
3120	4-F	Me	1-adamantyl
3121	4-F	Me	2-adamantyl
3122	4-F	Me	i-Pr
3123	4-F	Me	t-Bu
3124	4-F	Me	c-Hex
3125	4-F	Me	CH2CH2OMe
3126	4-F	Me	CH2CONH2
3127	4-F	Ме	CH2CO2Me
3128	4-F	Me	CH(CH2Ph)CO2Me
3129	4-F	Me	CH2CH2NMe2
3130	4-F	Me	benzyl
3131	4-F	Me	phenethyl
3132	4-F	Me	2-(morpholin-1-yl)-Et
3133	4-F	2-F-Et	Ph
3134	4-F	2-F-Et	3-CN-Ph
3135	4-F	2-F-Et	3-COMe-Ph
3136	4-F	2-F-Et	3-CO2Me-Ph
3137	4-F	2-F-Et	3-CONH2-Ph
3138	4-F	2-F-Et	3-CONHMe-Ph
3139	4-F	2-F-Et	3-F-Ph

2140	1 4 1		2 C1 Ph
3140	4-F	2-F-Et	3-C1-Ph
3141	4-F	2-F-Et	3-Br-Ph
3142	4-F	2-F-Et	3-SO2NH2-Ph
3143	4-F	2-F-Et	3-SO2NHMe-Ph
3144	4-F	2-F-Et	3-CF3-Ph
3145	4-F	2-F-Et	3-OMe-Ph
3146	4-F	2-F-Et	3-SMe-Ph
3147	4-F	2-F-Et	3-SOMe-Ph
3148	4-F	2-F-Et	3-SO2Me-Ph
3149	4-F	2-F-Et	3-OH-Ph
3150	4-F	2-F-Et	3-CH2OH-Ph
3151	4-F	2-F-Et	3-CHOHMe-Ph
3152	4-F	2-F-Et	3-COH(Me)2-Ph
3153	4-F	2-F-Et	3-Me-Ph
3154	4-F	2-F-Et	3-Et-Ph
3155	4-F	2-F-Et	3-iPr-Ph
3156	4-F	2-F-Et	3-tBu-Ph
3157	4-F	2-F-Et	3-CH2CO2Me-Ph
3158	4-F	2-F-Et	3-(1-piperidinyl)-Ph
			3-(1-piperidiny1)-Ph
3159	4-F	2-F-Et	
3160	4-F	2-F-Et	3-(2-imidazoly1)-Ph
3161	4-F	2-F-Et	3-(1-imidazolyl)-Ph
3162	4-F	2-F-Et	3-(2-thiazolyl)-Ph
3163	4-F	2-F-Et	3-(3-pyrazolyl)-Ph
3164	4-F	2-F-Et	3-(1-pyrazolyl)-Ph
3165	4-F	2-F-Et	3-(5-Me-1-tetrazoly1)-Ph
3166	4-F	2-F-Et	3-(1-Me-5-tetrazoly1)-Ph
3167	4-F	2-F-Et	3-(2-pyridyl)-Ph
3168	4-F	2-F-Et	3-(2-thienyl)-Ph
3169	4-F	2-F-Et	3-(2-furanyl)-Ph
3170	4-F	2-F-Et	4-CN-Ph
3171	4-F	2-F-Et	4-COMe-Ph
3172	4-F	2-F-Et	4-CO2Me-Ph
3173	4-F	2-F-Et	4-CONH2-Ph
3174	4-F	2-F-Et	4-CONHMe-Ph
3175	4-F	2-F-Et	4-CONHPh-Ph
3176	4-F	2-F-Et	4-F-Ph
3177	4-F	2-F-Et	4-C1-Ph
3178	4-F	2-F-Et	4-Br-Ph
3179	4-F	2-F-Et	4-SO2NH2-Ph
3180	4-F	2-F-Et	4-SO2NHMe-Ph
3181	4-F	2-F-Et	4-CF3-Ph
		2-F-Et	4-OMe-Ph
3182	4-F		4-0Me-Ph 4-SMe-Ph
3183	4-F	2-F-Et	4-SME-Ph
3184	4-F	2-F-Et	
3185	4-F	2-F-Et	4-SO2Me-Ph
3186	4-F	2-F-Et	4-OH-Ph
3187	4-F	2-F-Et	4-CH2OH-Ph
3188	4-F	2-F-Et	4-CHOHMe-Ph
3189	4-F	2-F-Et	4-COH(Me)2-Ph
3190	4-F	2-F-Et	4-Me-Ph
3191	4-F	2-F-Et	4-Et-Ph
3192	4-F	2-F-Et	4-iPr-Ph
3193	4-F	2-F-Et	4-tBu-Ph
3194	4-F	2-F-Et	4-CH2CO2Me-Ph

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3195	4-F	2-F-Et	4-(1-piperidinyl)-Ph
3196	4-F	2-F-Et	4-(1-pyrrolidinyl)-Ph
3197	4-F	2-F-Et	4-(2-imidazolyl)-Ph
3198	4-F	2-F-Et	4-(1-imidazolyl)-Ph
3199	4-F	2-F-Et	4-(2-thiazolyl)-Ph
3200	4-F	2-F-Et	4-(3-pyrazolyl)-Ph
3201	4-F	2-F-Et	4-(1-pyrazolyl)-Ph
3202	4-F	2-F-Et	4-(5-Me-1-tetrazolyl)-Ph
3203	4-F	2-F-Et	4-(1-Me-5-tetrazolyl)-Ph
3204	4-F	2-F-Et	4-(2-pyridy1)-Ph
3205	4-F	2-F-Et	4-(2-thieny1)-Ph
3206	4-F	2-F-Et	4-(2-furany1)-Ph
3207	4-F	2-F-Et	2-CN-Ph
3208	4-F	2-F-Et	2-COMe-Ph
3209	4-F	2-F-Et	2-CO2Me-Ph
3210	4-F	2-F-Et	2-CONH2-Ph
3211	4-F	2-F-Et	2-CONHMe-Ph
3212	4-F	2-F-Et	2-F-Ph
3213	4-F	2-F-Et	2-C1-Ph
3214	4-F	2-F-Et	2-Br-Ph
3215	4-F	2-F-Et	2-SO2NH2-Ph
3216	4-F	2-F-Et	2-SO2NHMe-Ph
3217	4-F	2-F-Et	2-CF3-Ph
3218	4-F	2-F-Et	2-OMe-Ph
3219	4-F	2-F-Et	2-SMe-Ph
3220	4-F	2-F-Et	2-SOMe-Ph
3221	4-F	2-F-Et	2-SO2Me-Ph
3222	4-F	2-F-Et	2-OH-Ph
3223	4-F	2-F-Et	2-CH2OH-Ph
3224	4-F	2-F-Et	2-CHOHMe-Ph
3225	4-F	2-F-Et	2-COH (Me) 2-Ph
3226	4-F	2-F-Et	2-Me-Ph
3227	4-F	2-F-Et	2-Et-Ph
3228	4-F	2-F-Et	2-iPr-Ph
3229	4-F	2-F-Et	2-tBu-Ph
3230	4-F	2-F-Et	2-CH2CO2Me-Ph
3231	4-F	2-F-Et	2-(1-piperidinyl)-Ph
3232	4-F	2-F-Et	2-(1-pyrrolidiny1)-Ph
3233	4-F	2-F-Et	2-(2-imidazolyl)-Ph
3234	4-F	2-F-Et	2-(2-imidazoly1)-Ph
3235	4-F	2-F-Et	2-(1-1mida20iyi) -Ph
3236	4-F	2-F-Et	2-(2-thrazory)-Fh 2-(3-pyrazory)-Ph
3237	4-F	2-F-Et	2-(3-pyrazoly1)-Ph 2-(1-pyrazoly1)-Ph
3238	4-F	2-F-Et	2-(1-pyrazory1)-Ph 2-(5-Me-1-tetrazory1)-Ph
	4-F 4-F		
3239	4-F	2-F-Et 2-F-Et	2-(1-Me-5-tetrazolyl)-Ph 2-(2-pyridyl)-Ph
	4-F 4-F		
3241		2-F-Et	2-(2-thienyl)-Ph
3242	4-F	2-F-Et	2-(2-furanyl)-Ph
3243	4-F	2-F-Et	2,4-diF-Ph
3244	4-F	2-F-Et	2,5-diF-Ph
3245	4-F	2-F-Et	2,6-diF-Ph
3246	4-F	2-F-Et	3,4-diF-Ph
3247	4-F	2-F-Et	3,5-diF-Ph
3248	4-F	2-F-Et	2,4-diCl-Ph
3249	4-F	2-F-Et	2,5-diCl-Ph

3250	4-F	2-F-Et	2,6-diCl-Ph
3251	4-F	2-F-Et	3,4-diCl-Ph
3252	4-F	2-F-Et	3,5-diCl-Ph
3253	4-F	2-F-Et	3,4-diCF3-Ph
3254	4-F	2-F-Et	3,5-diCF3-Ph
3255	4-F	2-F-Et	5-C1-2-MeO-Ph
3256	4-F	2-F-Et	5-Cl-2-Me-Ph
3257	4-F	2-F-Et	2-F-5-Me-Ph
3258	4-F	2-F-Et	3-F-5-morpholino-Ph
3259	4-F	2-F-Et	3,4-OCH2O-Ph
3260	4-F	2-F-Et	3,4-OCH2CH2O-Ph
3261	4-F	2-F-Et	2-MeO-5-CONH2-Ph
3262	4-F	2-F-Et	2-MeO-4-(1-Me-5-tetrazolyl)-Ph
3263	4-F	2-F-Et	2-MeO-5-(1-Me-5-tetrazolyl)-Ph
3264	4-F	2-F-Et	3-CONH2-5-(1-Me-5-tetrazoly1)-Ph
3265	4-F	2-F-Et	1-naphthyl
3266	4-F	2-F-Et	2-naphthyl
3267	4-F	2-F-Et	2-thienyl
3268	4-F	2-F-Et	3-thienyl
3269	4-F	2-F-Et	2-furanyl
3270	4-F	2-F-Et	3-furanyl
3271	4-F	2-F-Et	2-pyridyl
3272	4-F	2-F-Et	3-pyridyl
3273	4-F	2-F-Et	4-pyridyl
3274	4-F	2-F-Et	2-indolyl
3275	4-F	2-F-Et	3-indolyl
3276	4-F	2-F-Et	5-indolyl
3277	4-F	2-F-Et	6-indolyl
3278	4-F	2-F-Et	3-indazolyl
3279	4-F	2-F-Et	5-indazolyl
3280	4-F	2-F-Et	6-indazolyl
3281	4-F	2-F-Et	2-imidazolyl
3282	4-F	2-F-Et	3-isoxazoyl
3283	4-F	2-F-Et	3-pyrazolyl
3284	4-F	2-F-Et	2-thiadiazolyl
3285	4-F	2-F-Et	2-thiazolyl
3286	4-F	2-F-Et	5-Ac-4-Me-2-thiazolyl
3287	4-F	2-F-Et	5-tetrazolyl
3288	4-F	2-F-Et	2-benzimidazolyl
	4-F	2-F-Et	
3289 3290	4-F	2-F-Et	5-benzimidazolyl 2-benzothiazolyl
3290	4-F	2-F-Et	
			5-benzothiazolyl
3292	4-F	2-F-Et	2-benzoxazolyl
3293	4-F	2-F-Et	5-benzoxazolyl
3294	4-F	2-F-Et	1-adamantyl
3295	4-F	2-F-Et	2-adamantyl
3296	4-F	2-F-Et	i-Pr
3297	4-F	2-F-Et	t-Bu
3298	4-F	2-F-Et	C-Hex
3299	4-F	2-F-Et	CH2CH2OMe
3300	4-F	2-F-Et	CH2CONH2
3301	4-F	2-F-Et	CH2CO2Me
3302	4-F	2-F-Et	CH (CH2Ph) CO2Me
3303	4-F	2-F-Et	CH2CH2NMe2
3304	4-F	2-F-Et	benzyl

3305	4-F	2 E E+	phenethyl
3305	4-F	2-F-Et	
3307	4-F	2-F-Et	2-(morpholin-1-yl)-Et Ph
3307		CO2Me	3-CN-Ph
	4-F	CO2Me	<u> </u>
3309	4-F	CO2Me	3-COMe-Ph
3310	4-F	CO2Me_	3-C02Me-Ph
3311	4-F	CO2Me	3-CONH2-Ph
3312	4-F	CO2Me	3-CONHMe-Ph
3313	4-F	CO2Me	3-F-Ph
3314	4-F	CO2Me	3-C1-Ph
3315	4-F	CO2Me	3-Br-Ph
3316	4-F	CO2Me	3-S02NH2-Ph
3317	4-F	CO2Me	3-SO2NHMe-Ph
3318	4-F	CO2Me	3-CF3-Ph
3319	4-F	CO2Me	3-OMe-Ph
3320	4-F	CO2Me	3-SMe-Ph
3321	4-F	CO2Me	3-SOMe-Ph
3322	4-F	CO2Me	3-SO2Me-Ph
3323	4-F	CO2Me	3-OH-Ph
3324	4-F	CO2Me	3-CH2OH-Ph
3325	4-F	CO2Me	3-CHOHMe-Ph
3326	4-F	CO2Me	3-COH(Me)2-Ph
3327	4-F	CO2Me	3-Me-Ph
3328	4-F	CO2Me	3-Et-Ph_
3329	4-F	CO2Me_	3-iPr-Ph
3330	4-F	CO2Me	3-tBu-Ph
3331	4-F	CO2Me	3-CH2CO2Me-Ph
3332	4-F	CO2Me	3-(1-piperidinyl)-Ph
3333	4-F	CO2Me	3-(1-pyrrolidinyl)-Ph
3334	4-F	CO2Me	3-(2-imidazolyl)-Ph
3335	4-F	CO2Me	3-(1-imidazolyl)-Ph
3336	4-F	CO2Me	3-(2-thiazolyl)-Ph
3337	4-F	CO2Me	3-(3-pyrazolyl)-Ph
3338	4-F	CO2Me	3-(1-pyrazolyl)-Ph
3339	4-F	CO2Me	3-(5-Me-1-tetrazoly1)-Ph
3340	4-F	CO2Me	3-(1-Me-5-tetrazolyl)-Ph
3341	4-F	CO2Me	3-(2-pyridyl)-Ph
3342	4-F	CO2Me	3-(2-thienyl)-Ph
3343	4-F	CO2Me	3-(2-furany1)-Ph
3344	4-F	CO2Me	4-CN-Ph
3345	4-F	CO2Me	4-COMe-Ph
3346	4-F	CO2Me	4-CO2Me-Ph
3347	4-F	CO2Me	4-CONH2-Ph
3348	4-F	CO2Me	4-CONHMe-Ph
3349	4-F	CO2Me	4-CONHPh-Ph
3350	4-F	CO2Me	4-F-Ph
3351	4-F	CO2Me	4-Cl-Ph
3352	4-F	CO2Me	4-Br-Ph
3353	4-F	CO2Me	4-SO2NH2-Ph
3354	4-F	CO2Me	4-SO2NHMe-Ph
3355	4-F	CO2Me	4-CF3-Ph
3356	4-F	CO2Me	4-OMe-Ph
3357	4-F	CO2Me	4-SMe-Ph
3358	4-F	CO2Me	4-SOMe-Ph
3359	4-F	CO2Me	4-SO2Me-Ph

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3360	4-F	CO2Me	4-OH-Ph
3361	4-F	CO2Me	4-CH2OH-Ph
3362	4-F	CO2Me	4-CHOHMe-Ph
3363	4-F	CO2Me	4-COH (Me) 2-Ph
3364	4-F	CO2Me	4-Me-Ph
3365	4-F	CO2Me	4-Et-Ph
3366_	4-F	CO2Me	4-iPr-Ph
3367	4-F	CO2Me	4-tBu-Ph
3368	4-F	CO2Me	4-CH2CO2Me-Ph
3369	4-F	CO2Me	4-(1-piperidinyl)-Ph
3370	4-F	CO2Me	4-(1-pyrrolidinyl)-Ph
3371	4-F	CO2Me	4-(2-imidazoly1)-Ph
3372	4-F	CO2Me	4-(1-imidazolyl)-Ph
3373	4-F	CO2Me	4-(2-thiazoly1)-Ph
3374	4-F	CO2Me	4-(3-pyrazolyl)-Ph
3375	4-F	CO2Me	4-(1-pyrazolyl)-Ph
3376	4-F	CO2Me	4-(5-Me-1-tetrazoly1)-Ph
3377	4-F	CO2Me	4-(1-Me-5-tetrazolyl)-Ph
3378	4-F	CO2Me	4-(2-pyridyl)-Ph
3379	4-F	CO2Me	4-(2-thienyl)-Ph
3380	4-F	CO2Me	4-(2-furany1)-Ph
3381	4-F	CO2Me	2-CN-Ph
3382	4-F	CO2Me	2-COMe-Ph
3383	4-F	CO2Me	2-CO2Me-Ph
3384	4-F	CO2Me	2-CONH2-Ph
3385	4-F	CO2Me	2-CONHMe-Ph
3386	4-F	CO2Me	2-F-Ph
3387	4-F	CO2Me	2-Cl-Ph
3388	4-F	CO2Me	2-Br-Ph
3389	4-F	CO2Me	2-SO2NH2-Ph
3390	4-F	CO2Me	2-SO2NHMe-Ph
3391	4-F	CO2Me	2-CF3-Ph
3392	4-F	CO2Me	2-OMe-Ph
3393	4-F	CO2Me	2-SMe-Ph
3394	4-F	CO2Me	2-SOMe-Ph
3395	4-F	CO2Me	2-SO2Me-Ph
3396	4-F	CO2Me	2-OH-Ph
3397	4-F	CO2Me	2-CH2OH-Ph
3398	4-F	CO2Me	2-CHOHMe-Ph
3399	4-F	CO2Me	2-COH(Me)2-Ph
3400	4-F	CO2Me	2-Me-Ph
3401	4-F	CO2Me	2-Et-Ph
3402	4-F	CO2Me	2-iPr-Ph
3403	4-F	CO2Me	2-tBu-Ph
3404	4-F	CO2Me	2-CH2CO2Me-Ph
3405	4-F	CO2Me	2-(1-piperidiny1)-Ph
3406	4-F	CO2Me	2-(1-pyrrolidinyl)-Ph
3407	4-F	CO2Me	2-(2-imidazolyl)-Ph
3408	4-F	CO2Me	2-(1-imidazolyl)-Ph
3409	4-F	CO2Me	2-(2-thiazolyl)-Ph
3410	4-F	CO2Me	2-(3-pyrazolyl)-Ph
3411	4-F	CO2Me	2-(1-pyrazolyl)-Ph
3412	4-F	CO2Me	2-(5-Me-1-tetrazoly1)-Ph
3413	4-F	CO2Me	2-(1-Me-5-tetrazolyl)-Ph
3414	4-F	CO2Me	2-(2-pyridyl)-Ph

3416 4-F CO2Me 2,4-diF-Ph 3417 4-F CO2Me 2,4-diF-Ph 3418 4-F CO2Me 2,5-diF-Ph 3419 4-F CO2Me 2,5-diF-Ph 3419 4-F CO2Me 3,4-diF-Ph 3421 4-F CO2Me 3,4-diF-Ph 3421 4-F CO2Me 3,5-diF-Ph 3422 4-F CO2Me 2,4-diCl-Ph 3422 4-F CO2Me 2,5-diCl-Ph 3422 4-F CO2Me 2,5-diCl-Ph 3424 4-F CO2Me 2,5-diCl-Ph 3425 4-F CO2Me 3,4-diCl-Ph 3426 4-F CO2Me 3,5-diCl-Ph 3427 4-F CO2Me 3,5-diCl-Ph 3427 4-F CO2Me 3,5-diCl-Ph 3429 4-F CO2Me 3,5-diCl-Ph 3429 4-F CO2Me 3,5-diCl-Ph 3430 4-F CO2Me 3,5-diCl-Ph 3431 4-F CO2Me 3,5-diCl-Ph 3432 4-F CO2Me 3,5-diCl-Ph 3433 4-F CO2Me 3,5-diCl-Ph 3434 4-F CO2Me 3,5-diCl-Ph 3434 4-F CO2Me 3,5-diCl-Ph 3434 4-F CO2Me 3,5-diCl-Ph 3434 4-F CO2Me 3-F-5-Morpholino-Ph 3435 4-F CO2Me 3,4-OCH2CP-Ph 3436 4-F CO2Me 3,4-OCH2CP-Ph 3437 4-F CO2Me 3,4-OCH2CP-Ph 3438 4-F CO2Me 3,4-OCH2CP-Ph 3438 4-F CO2Me 3-CONH2-5-(1-Me-5-tetrazoly1)-Ph 3437 4-F CO2Me 3-CONH2-5-(1-Me-5-tetrazoly1)-Ph 3438 4-F CO2Me 3-CONH2-5-(1-Me-5-tetrazoly1)-Ph 3439 4-F CO2Me 3-CONH2-5-(1-Me-5-tetrazoly1)-Ph 3439 4-F CO2Me 3-CONH2-5-(1-Me-5-tetrazoly1)-Ph 3439 4-F CO2Me 3-CONH2-5-(1-Me-5-tetrazoly1)-Ph 3430 4-F CO2Me 3-CONH2-5-(1-Me-5-tetrazoly1)-Ph 3431 4-F CO2Me 3-CONH2-5-(1-Me-5-tetrazoly1)-Ph 3432 4-F CO2Me 3-CONH2-5-(1-Me-5-tetrazoly1)-Ph 3434 4-F CO2Me 3-CONH2-5-(1-Me-5-tetrazoly1)-Ph 3435 4-F CO2Me 3-CONH2-5-(1-Me-5-tetrazoly1)-Ph 3436 4-F CO2Me 3-CONH2-5-(1-Me-5-tetrazoly1)-Ph 3437 4-F CO2Me 3-CONH2-5-(1-Me-5-tetrazoly1)-Ph 3438 4-F CO2Me 3-CONH2-5-(1-Me-5-tetrazoly1)-Ph 3439 4-F CO2Me 3-CONH2-5-(1-Me-5-tetrazoly1)-Ph 3450 4-F CO2Me 3-CONH2-5-(1-Me-5-tetrazoly1)-Ph 3461 4-F CO2Me 3-CONH2-5-(1-Me-5-tetrazoly1)-Ph 3462 4-F CO2Me 3-CONH2-5-(1-Me-5-tetrazoly1)-Ph 3463 4-F CO2Me 3-CONH2-5-(1-Me-5-tetrazoly1)-Ph 3464 4-F CO2Me 3-CONH2-5-(1-Me-5-tetrazoly1)-Ph 3465 4-F CO2Me 3-CONH2-5-(1-Me-5-tetrazoly1)-Ph 3466 4-F CO2Me 3-CONH2-5-(1-Me-5-tetrazoly1)-Ph 3467 4-F CO2Me 3-CONH2-5-(1-Me-5-tetrazoly1)-Ph 3468 4-F CO2Me 3-CONH2-5-(1-Me-5-tetrazoly1)-Ph 3468 4-F CO2Me 3-CONH2-5-(1-Me-5-tetrazoly1)-Ph 3468 4-F CO2Me 3-CONH2-5-(1-Me-5-tetrazoly1)-Ph 3468 4				
3417   4-F	3415	4-F	CO2Me	2-(2-thienyl)-Ph
3418				
3419				
3420				
3421 4-F CO2Me				
3422				3,4-diF-Ph
3423 4-F CO2Me 2,5-diCl-Ph 3424 4-F CO2Me 2,6-diCl-Ph 3425 4-F CO2Me 3,4-diCl-Ph 3426 4-F CO2Me 3,5-diCl-Ph 3427 4-F CO2Me 3,5-diCl-Ph 3427 4-F CO2Me 3,5-diCl-Ph 3428 4-F CO2Me 3,5-diCF3-Ph 3429 4-F CO2Me 3,5-dl-F3-Ph 3430 4-F CO2Me 5-Cl-2-MeO-Ph 3431 4-F CO2Me 2-F-5-Me-Ph 3431 4-F CO2Me 3-F-5-morpholino-Ph 3432 4-F CO2Me 3-F-5-morpholino-Ph 3433 4-F CO2Me 3,4-OCH2Cl-O-Ph 3434 4-F CO2Me 3,4-OCH2Cl-O-Ph 3435 4-F CO2Me 3,4-OCH2Cl-O-Ph 3436 4-F CO2Me 2-MeO-5-CONH2-Ph 3437 4-F CO2Me 2-MeO-5-(1-Me-5-tetrazolyl)-Ph 3438 4-F CO2Me 2-MeO-5-(1-Me-5-tetrazolyl)-Ph 3439 4-F CO2Me 2-MeO-5-(1-Me-5-tetrazolyl)-Ph 3430 4-F CO2Me 2-MeO-5-(1-Me-5-tetrazolyl)-Ph 3431 4-F CO2Me 2-MeO-5-(1-Me-5-tetrazolyl)-Ph 3432 4-F CO2Me 3-CONH2-5-(1-Me-5-tetrazolyl)-Ph 3434 4-F CO2Me 2-hienyl 3440 4-F CO2Me 3-thienyl 3441 4-F CO2Me 3-thienyl 3442 4-F CO2Me 3-thienyl 3443 4-F CO2Me 3-thienyl 3444 4-F CO2Me 3-thienyl 3444 4-F CO2Me 3-thienyl 3444 4-F CO2Me 3-thienyl 3445 4-F CO2Me 3-thienyl 3446 4-F CO2Me 3-pyridyl 3447 4-F CO2Me 3-pyridyl 3448 4-F CO2Me 3-pyridyl 3449 4-F CO2Me 3-pyridyl 3449 4-F CO2Me 3-pyridyl 3451 4-F CO2Me 3-indolyl 3451 4-F CO2Me 3-indolyl 3451 4-F CO2Me 3-indolyl 3451 4-F CO2Me 3-indolyl 3453 4-F CO2Me 3-indolyl 3453 4-F CO2Me 3-indolyl 3454 4-F CO2Me 3-indolyl 3455 4-F CO2Me 3-indolyl 3457 4-F CO2Me 3-indolyl 3458 4-F CO2Me 3-indolyl 3458 4-F CO2Me 3-indolyl 3459 4-F CO2Me 3-indolyl 3450 4-F CO2Me 3-indolyl 3451 4-F CO2Me 3-indolyl 3453 4-F CO2Me 3-indolyl 3454 4-F CO2Me 3-indolyl 3455 4-F CO2Me 3-indolyl 3456 4-F CO2Me 3-indolyl 3457 4-F CO2Me 3-indolyl 3458 4-F CO2Me 3-indolyl 3459 4-F CO2Me 3-indolyl 3450 4-F CO2Me 3-indolyl 3451 4-F CO2Me 3-indolyl 3453 4-F CO2Me 3-indolyl 3454 4-F CO2Me 3-indolyl 3456 4-F CO2Me 3-indolyl 3457 4-F CO2Me 3-indolyl 3458 4-F CO2Me 3-indolyl 3458 4-F CO2Me 3-indolyl 3459 4-F CO2Me 3-indolyl 3460 4-F CO2Me 3-indolyl 3460 4-F CO2Me 3-indolyl 3460 4-F CO2Me 3-indolyl 3461 4-F CO2Me 3-indolyl 3463 4-F CO2Me 3-indolyl 3466 4-F CO2Me 3-indolyl 3466 4-F CO2Me 3-indolyl 3467 4-F CO2Me 3-indolyl	3421	4-F	CO2Me	3,5-diF-Ph
3424 4-F CO2Me 3,4-diCl-Ph 3425 4-F CO2Me 3,4-diCl-Ph 3426 4-F CO2Me 3,5-diCl-Ph 3427 4-F CO2Me 3,5-diCl-Ph 3427 4-F CO2Me 3,5-diCF3-Ph 3428 4-F CO2Me 5-Cl-2-MeO-Ph 3430 4-F CO2Me 5-Cl-2-MeO-Ph 3431 4-F CO2Me 3-F-5-Me-Ph 3431 4-F CO2Me 3-F-5-Me-Ph 3432 4-F CO2Me 3-F-5-Me-Ph 3433 4-F CO2Me 3-F-5-Me-Ph 3433 4-F CO2Me 3,4-OCH2O-Ph 3434 4-F CO2Me 3,4-OCH2O-Ph 3435 4-F CO2Me 2-MeO-5-CONH2-Ph 3436 4-F CO2Me 2-MeO-5-(I-Me-5-tetrazolyl)-Ph 3437 4-F CO2Me 3-CONH2-F-(I-Me-5-tetrazolyl)-Ph 3438 4-F CO2Me 3-CONH2-F-(I-Me-5-tetrazolyl)-Ph 3439 4-F CO2Me 3-CONH2-5-(I-Me-5-tetrazolyl)-Ph 3439 4-F CO2Me 3-CONH2-5-(I-Me-5-tetrazolyl)-Ph 3440 4-F CO2Me 2-MeO-5-(I-Me-5-tetrazolyl)-Ph 3441 4-F CO2Me 3-CONH2-5-(I-Me-5-tetrazolyl)-Ph 3442 4-F CO2Me 3-Thienyl 3444 4-F CO2Me 3-Thienyl 3444 4-F CO2Me 3-Thienyl 3445 4-F CO2Me 3-Thienyl 3446 4-F CO2Me 3-furanyl 3447 4-F CO2Me 3-furanyl 3448 4-F CO2Me 3-furanyl 3449 4-F CO2Me 3-furanyl 3449 4-F CO2Me 3-furanyl 3449 4-F CO2Me 3-furanyl 3451 4-F CO2Me 3-indolyl 3451 4-F CO2Me 3-indolyl 3451 4-F CO2Me 3-indolyl 3452 4-F CO2Me 3-indolyl 3453 4-F CO2Me 3-indolyl 3454 4-F CO2Me 3-indolyl 3455 4-F CO2Me 3-indazolyl 3457 4-F CO2Me 3-indazolyl 3458 4-F CO2Me 3-indazolyl 3459 4-F CO2Me 3-indazolyl 3459 4-F CO2Me 3-indazolyl 3459 4-F CO2Me 3-indazolyl 3459 4-F CO2Me 3-indazolyl 3459 4-F CO2Me 3-indazolyl 3450 4-F CO2Me 3-indazolyl 3450 4-F CO2Me 3-indazolyl 3451 4-F CO2Me 3-indazolyl 3453 4-F CO2Me 3-indazolyl 3454 4-F CO2Me 3-indazolyl 3455 4-F CO2Me 3-indazolyl 3456 4-F CO2Me 3-indazolyl 3457 4-F CO2Me 3-indazolyl 3458 4-F CO2Me 3-indazolyl 3460 4-F CO2Me 3-indazolyl 3460 4-F CO2Me 3-indazolyl 3461 4-F CO2Me 3-indazolyl 3463 4-F CO2Me 3-indazolyl 3464 4-F CO2Me 3-indazolyl 3466 4-F CO2Me 3-indazolyl 3467 4-F CO2Me 3-indazolyl 3468 4-F CO2Me 3-indazolyl 3468 4-F CO2Me 3-indazolyl 3468 4-F CO2Me 3-indazolyl 3469 4-F CO2Me 3-indazolyl 3460 4-F CO2Me 3-indazolyl 3461 4-F CO2Me 3-indazolyl 3463 4-F CO2Me 3-indazolyl 3466 4-F CO2Me 3-indazolyl 3467 4-F CO2Me 3-indazolyl 3468 4-F CO2Me 3-indazolyl 3468 4	3422	4-F	CO2Me	2,4-diCl-Ph
3425 4-F CO2Me 3,4-dicT-Ph 3426 4-F CO2Me 3,5-dicT-Ph 3427 4-F CO2Me 3,5-dicT-Ph 3428 4-F CO2Me 3,5-dicT3-Ph 3428 4-F CO2Me 3,5-dicT3-Ph 3429 4-F CO2Me 5-C1-2-MeO-Ph 3430 4-F CO2Me 5-C1-2-MeO-Ph 3431 4-F CO2Me 3-F-5-morpholino-Ph 3432 4-F CO2Me 3,4-OCH2O-Ph 3433 4-F CO2Me 3,4-OCH2O-Ph 3434 4-F CO2Me 3,4-OCH2O-Ph 3435 4-F CO2Me 3,4-OCH2O-Ph 3436 4-F CO2Me 2-MeO-5-CONH2-Ph 3437 4-F CO2Me 2-MeO-5-(1-Me-5-tetrazoly1)-Ph 3438 4-F CO2Me 3-CONH2-5-(1-Me-5-tetrazoly1)-Ph 3439 4-F CO2Me 2-MeO-5-(1-Me-5-tetrazoly1)-Ph 3430 4-F CO2Me 2-maphthyl 3440 4-F CO2Me 2-naphthyl 3440 4-F CO2Me 2-naphthyl 3441 4-F CO2Me 2-thienyl 3442 4-F CO2Me 3-thienyl 3444 4-F CO2Me 3-thienyl 3444 4-F CO2Me 3-furanyl 3444 4-F CO2Me 3-furanyl 3444 4-F CO2Me 3-furanyl 3445 4-F CO2Me 3-pyridyl 3446 4-F CO2Me 3-pyridyl 3447 4-F CO2Me 3-pyridyl 3448 4-F CO2Me 3-indolyl 3450 4-F CO2Me 3-indolyl 3450 4-F CO2Me 3-indolyl 3450 4-F CO2Me 3-indolyl 3451 4-F CO2Me 3-indolyl 3453 4-F CO2Me 3-indolyl 3453 4-F CO2Me 3-indolyl 3453 4-F CO2Me 3-indolyl 3450 4-F CO2Me 3-indolyl 3451 4-F CO2Me 3-indolyl 3453 4-F CO2Me 3-indolyl 3453 4-F CO2Me 3-indolyl 3453 4-F CO2Me 3-indolyl 3453 4-F CO2Me 3-indolyl 3453 4-F CO2Me 3-indolyl 3453 4-F CO2Me 3-indolyl 3454 4-F CO2Me 3-indolyl 3453 4-F CO2Me 3-indozolyl 3454 4-F CO2Me 3-indozolyl 3455 4-F CO2Me 3-indozolyl 3456 4-F CO2Me 3-indozolyl 3457 4-F CO2Me 3-indozolyl 3458 4-F CO2Me 3-indozolyl 3458 4-F CO2Me 3-indozolyl 3459 4-F CO2Me 3-indozolyl 3450 4-F CO2Me 3-indozolyl 3451 4-F CO2Me 3-indozolyl 3453 4-F CO2Me 3-indozolyl 3454 4-F CO2Me 3-indozolyl 3456 4-F CO2Me 3-indozolyl 3457 4-F CO2Me 3-indozolyl 3458 4-F CO2Me 3-indozolyl 3458 4-F CO2Me 3-indozolyl 3459 4-F CO2Me 3-indozolyl 3460 4-F CO2Me 3-indozolyl 3461 4-F CO2Me 3-indozolyl 3462 4-F CO2Me 3-indozolyl 3463 4-F CO2Me 3-indozolyl 3464 4-F CO2Me 3-indozolyl 3466 4-F CO2Me 3-indozolyl 3467 4-F CO2Me 3-indozolyl 3468 4-F CO2Me 3-indozolyl 3468 4-F CO2Me 3-indozolyl 3468 4-F CO2Me 3-indozolyl 3468 4-F CO2Me 3-indozolyl 3468 4-F CO2Me 3-indozolyl 3468 4-F CO2Me 3-indo	3423	4-F	CO2Me	
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3427 4-F CO2Me 3,4-diCF3-Ph 3428 4-F CO2Me 3,5-diCF3-Ph 3428 4-F CO2Me 5-C1-2-MeO-Ph 3430 4-F CO2Me 5-C1-2-MeO-Ph 3431 4-F CO2Me 2-F-5-Me-Ph 3431 4-F CO2Me 3-F-5-morpholino-Ph 3433 4-F CO2Me 3,4-OCH2CO-Ph 3434 4-F CO2Me 3,4-OCH2CO-Ph 3435 4-F CO2Me 2-MeO-5-CONH2-Ph 3436 4-F CO2Me 2-MeO-5-CONH2-Ph 3437 4-F CO2Me 2-MeO-5-(1-Me-5-tetrazoly1)-Ph 3438 4-F CO2Me 2-MeO-5-(1-Me-5-tetrazoly1)-Ph 3439 4-F CO2Me 2-MeO-5-(1-Me-5-tetrazoly1)-Ph 3430 4-F CO2Me 2-MeO-5-(1-Me-5-tetrazoly1)-Ph 3431 4-F CO2Me 2-MeO-5-(1-Me-5-tetrazoly1)-Ph 3432 4-F CO2Me 2-MeO-5-(1-Me-5-tetrazoly1)-Ph 3434 4-F CO2Me 3-CONH2-F) 3440 4-F CO2Me 2-naphthy1 3441 4-F CO2Me 2-naphthy1 3442 4-F CO2Me 3-thieny1 3443 4-F CO2Me 3-thieny1 3444 4-F CO2Me 3-furany1 3445 4-F CO2Me 3-furany1 3446 4-F CO2Me 3-pyridy1 3446 4-F CO2Me 3-pyridy1 3447 4-F CO2Me 3-pyridy1 3449 4-F CO2Me 3-indoly1 3450 4-F CO2Me 3-indoly1 3451 4-F CO2Me 3-indoly1 3452 4-F CO2Me 3-indoly1 3453 4-F CO2Me 3-indoly1 3453 4-F CO2Me 3-indoly1 3454 4-F CO2Me 3-indoly1 3455 4-F CO2Me 3-indoly1 3456 4-F CO2Me 3-indazoly1 3457 4-F CO2Me 3-indazoly1 3458 4-F CO2Me 3-indazoly1 3459 4-F CO2Me 3-indazoly1 3459 4-F CO2Me 3-indazoly1 3450 4-F CO2Me 3-indazoly1 3451 4-F CO2Me 3-indazoly1 3453 4-F CO2Me 3-indazoly1 3454 4-F CO2Me 3-indazoly1 3455 4-F CO2Me 3-indazoly1 3456 4-F CO2Me 3-indazoly1 3457 4-F CO2Me 3-indazoly1 3458 4-F CO2Me 3-indazoly1 3459 4-F CO2Me 3-indazoly1 3459 4-F CO2Me 3-indazoly1 3450 4-F CO2Me 3-indazoly1 3450 4-F CO2Me 3-indazoly1 3451 4-F CO2Me 3-indazoly1 3452 4-F CO2Me 3-indazoly1 3453 4-F CO2Me 3-indazoly1 3454 4-F CO2Me 3-indazoly1 3456 4-F CO2Me 3-indazoly1 3457 4-F CO2Me 3-indazoly1 3458 4-F CO2Me 3-indazoly1 3459 4-F CO2Me 3-indazoly1 3460 4-F CO2Me 3-indazoly1 3460 4-F CO2Me 3-indazoly1 3460 4-F CO2Me 3-indazoly1 3460 4-F CO2Me 3-indazoly1 3461 4-F CO2Me 3-indazoly1 3462 4-F CO2Me 3-indazoly1 3463 4-F CO2Me 3-indazoly1 3464 4-F CO2Me 3-indazoly1 3465 4-F CO2Me 3-indazoly1 3466 4-F CO2Me 3-indazoly1 3467 4-F CO2Me 3-indazoly1 3468 4-F CO2Me 3-indazoly1 3468 4-F CO2Me 3-ind	3425	4-F	CO2Me	3,4-diCl-Ph
3428	3426	4-F	CO2Me	
3428	3427	4-F	CO2Me	
3429	3428		CO2Me	3,5-diCF3-Ph
3430 4-F CO2Me 5-C1-2-Me-Ph 3431 4-F CO2Me 2-F-5-Me-Ph 3432 4-F CO2Me 3-F-5-morpholino-Ph 3433 4-F CO2Me 3,4-OCH2O-Ph 3434 4-F CO2Me 3,4-OCH2O-Ph 3435 4-F CO2Me 2-MeO-5-CONH2-Ph 3436 4-F CO2Me 2-MeO-5-(1-Me-5-tetrazoly1)-Ph 3437 4-F CO2Me 2-MeO-5-(1-Me-5-tetrazoly1)-Ph 3438 4-F CO2Me 3-CONH2-5-(1-Me-5-tetrazoly1)-Ph 3439 4-F CO2Me 2-MeO-5-(1-Me-5-tetrazoly1)-Ph 3430 4-F CO2Me 2-MeO-5-(1-Me-5-tetrazoly1)-Ph 3431 4-F CO2Me 2-MeO-5-(1-Me-5-tetrazoly1)-Ph 3432 4-F CO2Me 2-naphthy1 3440 4-F CO2Me 2-thieny1 3441 4-F CO2Me 2-thieny1 3442 4-F CO2Me 3-thieny1 3444 4-F CO2Me 3-furany1 3444 4-F CO2Me 3-furany1 3445 4-F CO2Me 3-furany1 3446 4-F CO2Me 3-pyridy1 3447 4-F CO2Me 3-pyridy1 3448 4-F CO2Me 3-pyridy1 3449 4-F CO2Me 3-indoly1 3450 4-F CO2Me 3-indoly1 3451 4-F CO2Me 3-indoly1 3452 4-F CO2Me 3-indoly1 3453 4-F CO2Me 3-indoly1 3453 4-F CO2Me 3-indoly1 3454 4-F CO2Me 3-indazoly1 3455 4-F CO2Me 3-indazoly1 3456 4-F CO2Me 3-indazoly1 3457 4-F CO2Me 3-indazoly1 3458 4-F CO2Me 3-indazoly1 3458 4-F CO2Me 3-indazoly1 3459 4-F CO2Me 3-indazoly1 3459 4-F CO2Me 3-indazoly1 3459 4-F CO2Me 3-indazoly1 3459 4-F CO2Me 3-indazoly1 3459 4-F CO2Me 3-indazoly1 3459 4-F CO2Me 3-indazoly1 3459 4-F CO2Me 3-indazoly1 3459 4-F CO2Me 3-indazoly1 3459 4-F CO2Me 3-indazoly1 3459 4-F CO2Me 3-indazoly1 3450 4-F CO2Me 3-indazoly1 3451 4-F CO2Me 3-indazoly1 3452 4-F CO2Me 3-indazoly1 3453 4-F CO2Me 3-indazoly1 3454 4-F CO2Me 3-indazoly1 3455 4-F CO2Me 3-indazoly1 3456 4-F CO2Me 3-indazoly1 3457 4-F CO2Me 3-indazoly1 3458 4-F CO2Me 3-indazoly1 3459 4-F CO2Me 3-indazoly1 3460 4-F CO2Me 3-indazoly1 3461 4-F CO2Me 3-indazoly1 3462 4-F CO2Me 3-indazoly1 3463 4-F CO2Me 3-indazoly1 3464 4-F CO2Me 3-indazoly1 3465 4-F CO2Me 3-indazoly1 3466 4-F CO2Me 3-indazoly1 3467 4-F CO2Me 3-indazoly1 3468 4-F CO2Me 3-indazoly1 3468 4-F CO2Me 3-indazoly1 3468 4-F CO2Me 3-indazoly1 3468 4-F CO2Me 3-indazoly1 3468 4-F CO2Me 3-indazoly1 3468 4-F CO2Me 3-indazoly1 3468 4-F CO2Me 3-indazoly1 3468 4-F CO2Me 3-indazoly1 3468 4-F CO2Me 3-indazoly1 3468 4-F CO2Me 3-indazoly1 3			CO2Me	
3431 4-F CO2Me 3-F-5-Me-Ph 3432 4-F CO2Me 3-F-5-morpholino-Ph 3433 4-F CO2Me 3,4-OCH2C-Ph 3434 4-F CO2Me 3,4-OCH2CH2O-Ph 3435 4-F CO2Me 2-MeO-5-CONH2-Ph 3436 4-F CO2Me 2-MeO-5-CONH2-Ph 3437 4-F CO2Me 2-MeO-5-(1-Me-5-tetrazoly1)-Ph 3438 4-F CO2Me 3-CONH2-5-(1-Me-5-tetrazoly1)-Ph 3439 4-F CO2Me 3-CONH2-5-(1-Me-5-tetrazoly1)-Ph 3439 4-F CO2Me 2-naphthy1 3440 4-F CO2Me 2-naphthy1 3441 4-F CO2Me 3-thieny1 3442 4-F CO2Me 3-thieny1 3443 4-F CO2Me 3-thieny1 3444 4-F CO2Me 3-furany1 3445 4-F CO2Me 3-pyridy1 3446 4-F CO2Me 3-pyridy1 3447 4-F CO2Me 3-pyridy1 3448 4-F CO2Me 3-pyridy1 3449 4-F CO2Me 3-indoly1 3450 4-F CO2Me 3-indoly1 3450 4-F CO2Me 3-indoly1 3451 4-F CO2Me 3-indoly1 3452 4-F CO2Me 3-indoly1 3453 4-F CO2Me 3-indazoly1 3453 4-F CO2Me 3-indazoly1 3454 4-F CO2Me 3-indazoly1 3455 4-F CO2Me 3-indazoly1 3456 4-F CO2Me 3-indazoly1 3457 4-F CO2Me 3-indazoly1 3458 4-F CO2Me 3-indazoly1 3458 4-F CO2Me 3-indazoly1 3458 4-F CO2Me 3-indazoly1 3459 4-F CO2Me 3-indazoly1 3450 4-F CO2Me 3-indazoly1 3451 4-F CO2Me 3-indazoly1 3453 4-F CO2Me 3-indazoly1 3454 4-F CO2Me 3-indazoly1 3455 4-F CO2Me 3-indazoly1 3456 4-F CO2Me 3-indazoly1 3457 4-F CO2Me 3-indazoly1 3458 4-F CO2Me 3-indazoly1 3458 4-F CO2Me 3-indazoly1 3459 4-F CO2Me 3-indazoly1 3450 4-F CO2Me 3-indazoly1 3450 4-F CO2Me 3-indazoly1 3451 4-F CO2Me 3-indazoly1 3452 4-F CO2Me 3-indazoly1 3453 4-F CO2Me 3-indazoly1 3454 4-F CO2Me 3-indazoly1 3455 4-F CO2Me 3-indazoly1 3456 4-F CO2Me 3-indazoly1 3457 4-F CO2Me 3-indazoly1 3458 4-F CO2Me 3-indazoly1 3468 4-F CO2Me 3-indazoly1 3460 4-F CO2Me 3-indazoly1 3460 4-F CO2Me 3-indazoly1 3460 4-F CO2Me 3-indazoly1 3460 4-F CO2Me 3-indazoly1 3460 4-F CO2Me 3-indazoly1 3460 4-F CO2Me 3-indazoly1 3460 4-F CO2Me 3-indazoly1 3460 4-F CO2Me 3-indazoly1 3460 4-F CO2Me 3-indazoly1 3460 4-F CO2Me 3-indazoly1 3460 4-F CO2Me 3-indazoly1 3460 4-F CO2Me 3-indazoly1 3460 4-F CO2Me 3-indazoly1 3460 4-F CO2Me 3-indazoly1 3460 4-F CO2Me 3-indazoly1 3460 4-F CO2Me 3-indazoly1 3460 4-F CO2Me 3-indazoly1 3460 4-F CO2Me 3-indazoly1 3460 4-F CO2Me 3-in			CO2Me	5-C1-2-Me-Ph
3432 4-F CO2Me 3-F-5-morpholino-Ph 3433 4-F CO2Me 3,4-OCH2CH2O-Ph 3435 4-F CO2Me 3,4-OCH2CH2O-Ph 3435 4-F CO2Me 2-MeO-5-CONH2-Ph 3436 4-F CO2Me 2-MeO-4-(1-Me-5-tetrazoly1)-Ph 3437 4-F CO2Me 2-MeO-5-(1-Me-5-tetrazoly1)-Ph 3438 4-F CO2Me 3-CONH2-5-(1-Me-5-tetrazoly1)-Ph 3439 4-F CO2Me 3-CONH2-5-(1-Me-5-tetrazoly1)-Ph 3439 4-F CO2Me 1-naphthyl 3440 4-F CO2Me 2-naphthyl 3441 4-F CO2Me 2-thienyl 3442 4-F CO2Me 3-thienyl 3443 4-F CO2Me 3-thienyl 3444 4-F CO2Me 3-furanyl 3445 4-F CO2Me 3-furanyl 3446 4-F CO2Me 3-pyridyl 3447 4-F CO2Me 3-pyridyl 3448 4-F CO2Me 3-pyridyl 3449 4-F CO2Me 3-indolyl 3450 4-F CO2Me 3-indolyl 3451 4-F CO2Me 3-indolyl 3452 4-F CO2Me 3-indolyl 3453 4-F CO2Me 3-indazolyl 3453 4-F CO2Me 3-indazolyl 3453 4-F CO2Me 3-indazolyl 3454 4-F CO2Me 3-indazolyl 3455 4-F CO2Me 3-indazolyl 3457 4-F CO2Me 3-indazolyl 3458 4-F CO2Me 3-indazolyl 3458 4-F CO2Me 3-indazolyl 3459 4-F CO2Me 3-indazolyl 3459 4-F CO2Me 3-indazolyl 3459 4-F CO2Me 3-indazolyl 3459 4-F CO2Me 3-indazolyl 3450 4-F CO2Me 3-indazolyl 3451 4-F CO2Me 3-indazolyl 3452 4-F CO2Me 3-indazolyl 3453 4-F CO2Me 3-indazolyl 3454 4-F CO2Me 3-indazolyl 3455 4-F CO2Me 3-indazolyl 3456 4-F CO2Me 3-indazolyl 3457 4-F CO2Me 3-indazolyl 3458 4-F CO2Me 3-indazolyl 3459 4-F CO2Me 3-indazolyl 3460 4-F CO2Me 3-indazolyl 3461 4-F CO2Me 3-indazolyl 3462 4-F CO2Me 3-indazolyl 3463 4-F CO2Me 3-indazolyl 3464 4-F CO2Me 3-indazolyl 3465 4-F CO2Me 3-indazolyl 3466 4-F CO2Me 5-henzimidazolyl 3467 4-F CO2Me 5-benzimidazolyl 3468 4-F CO2Me 5-benzimidazolyl 3468 4-F CO2Me 5-benzothiazolyl 3468 4-F CO2Me 5-benzothiazolyl 3468 4-F CO2Me 5-benzothiazolyl				2-F-5-Me-Ph
3433 4-F CO2Me 3,4-OCH2O-Ph 3434 4-F CO2Me 2-MeO-5-CONH2-Ph 3436 4-F CO2Me 2-MeO-5-CONH2-Ph 3436 4-F CO2Me 2-MeO-5-CONH2-Ph 3437 4-F CO2Me 2-MeO-5-(1-Me-5-tetrazoly1)-Ph 3438 4-F CO2Me 3-CONH2-5-(1-Me-5-tetrazoly1)-Ph 3438 4-F CO2Me 1-naphthy1 3440 4-F CO2Me 2-thieny1 3441 4-F CO2Me 2-thieny1 3442 4-F CO2Me 3-thieny1 3443 4-F CO2Me 3-thieny1 3444 4-F CO2Me 3-thieny1 3445 4-F CO2Me 3-thieny1 3446 4-F CO2Me 3-pyridy1 3447 4-F CO2Me 3-pyridy1 3448 4-F CO2Me 3-pyridy1 3448 4-F CO2Me 3-indoly1 3450 4-F CO2Me 3-indoly1 3451 4-F CO2Me 3-indoly1 3451 4-F CO2Me 3-indoly1 3452 4-F CO2Me 3-indoly1 3453 4-F CO2Me 3-indoly1 3454 4-F CO2Me 3-indoly1 3455 4-F CO2Me 3-indoly1 3456 4-F CO2Me 3-indoly1 3457 4-F CO2Me 3-indoly1 3458 4-F CO2Me 3-indazoly1 3460 4-F CO2Me 3-indazoly1 3461 4-F CO2Me 3-indazoly1 3461 4-F CO2Me 3-indazoly1 3462 4-F CO2Me 3-indazoly1 3463 4-F CO2Me 3-indazoly1 3464 4-F CO2Me 3-indazoly1 3467 4-F CO2Me 3-indazoly1 3468 4-F CO2Me 3-indazoly1 3466 4-F CO2Me 3-indazoly1 3467 4-F CO2Me 3-indazoly1 3468 4-F CO2Me 3-indazoly1 3468 4-F CO2Me 3-indazoly1 3466 4-F CO2Me 3-indazoly1 3467 4-F CO2Me 3-indazoly1 3468				3-F-5-morpholino-Ph
3434 4-F CO2Me 2-MeO-5-CONH2-Ph 3435 4-F CO2Me 2-MeO-4-(1-Me-5-tetrazoly1)-Ph 3436 4-F CO2Me 2-MeO-4-(1-Me-5-tetrazoly1)-Ph 3437 4-F CO2Me 2-MeO-5-(1-Me-5-tetrazoly1)-Ph 3438 4-F CO2Me 3-CONH2-5-(1-Me-5-tetrazoly1)-Ph 3439 4-F CO2Me 1-naphthy1 3440 4-F CO2Me 2-naphthy1 3441 4-F CO2Me 2-thieny1 3442 4-F CO2Me 3-thieny1 3443 4-F CO2Me 3-thieny1 3444 4-F CO2Me 3-furany1 3444 4-F CO2Me 3-furany1 3445 4-F CO2Me 3-pyridy1 3446 4-F CO2Me 3-pyridy1 3447 4-F CO2Me 4-pyridy1 3448 4-F CO2Me 3-indoly1 3450 4-F CO2Me 3-indoly1 3451 4-F CO2Me 3-indoly1 3452 4-F CO2Me 3-indoly1 3453 4-F CO2Me 3-indazoly1 3453 4-F CO2Me 3-indazoly1 3453 4-F CO2Me 3-indazoly1 3454 4-F CO2Me 3-indazoly1 3455 4-F CO2Me 3-indazoly1 3456 4-F CO2Me 3-indazoly1 3457 4-F CO2Me 3-indazoly1 3458 4-F CO2Me 3-ipyrazoly1 3459 4-F CO2Me 3-ipyrazoly1 3459 4-F CO2Me 3-pyrazoly1 3461 4-F CO2Me 3-pyrazoly1 3461 4-F CO2Me 3-pyrazoly1 3463 4-F CO2Me 3-pyrazoly1 3464 4-F CO2Me 3-pyrazoly1 3465 4-F CO2Me 3-pyrazoly1 3466 4-F CO2Me 3-pyrazoly1 3467 4-F CO2Me 3-benzimidazoly1 3468 4-F CO2Me 3-benzimidazoly1 3466 4-F CO2Me 3-benzimidazoly1 3467 4-F CO2Me 3-benzothiazoly1 3468 4-F CO2Me 3-benzothiazoly1 3468 4-F CO2Me 3-benzothiazoly1 3466 4-F CO2Me 3-benzothiazoly1 3467 4-F CO2Me 3-benzoxazoly1 3468 4-F CO2Me 3-benzothiazoly1 3468 4-F CO2Me 3-benzothiazoly1 3466 3-F CO2Me 3-benzothiazoly1 3467 4-F CO2Me 3-benzoxazoly1 3468 4-F CO2Me 3-benzoxazoly1 3468 4-F CO2Me 3-benzoxazoly1 3468 4-F CO2Me 3-benzoxazoly1 3468 4-F CO2Me 3-benzoxazoly1 3468 4-F CO2Me 3-benzoxazoly1				
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3436         4-F         CO2Me         2-MeO-4-(1-Me-5-tetrazolyl)-Ph           3437         4-F         CO2Me         2-MeO-5-(1-Me-5-tetrazolyl)-Ph           3438         4-F         CO2Me         3-CONH2-5-(1-Me-5-tetrazolyl)-Ph           3439         4-F         CO2Me         1-naphthyl           3440         4-F         CO2Me         2-naphthyl           3441         4-F         CO2Me         2-thienyl           3442         4-F         CO2Me         3-thienyl           3444         4-F         CO2Me         2-furanyl           3444         4-F         CO2Me         3-furanyl           3445         4-F         CO2Me         3-pyridyl           3446         4-F         CO2Me         3-pyridyl           3448         4-F         CO2Me         3-indolyl           3449         4-F         CO2Me         3-indolyl           3450         4-F         CO2Me         3-indazolyl           3451         4-F         CO2Me         3-indazolyl           3452         4-F         CO2Me         3-indazolyl           3453         4-F         CO2Me         3-indazolyl           3454         4-F         C				
3437         4-F         CO2Me         2-MeO-5-(1-Me-5-tetrazolyl)-Ph           3438         4-F         CO2Me         3-CONH2-5-(1-Me-5-tetrazolyl)-Ph           3439         4-F         CO2Me         1-naphthyl           3440         4-F         CO2Me         2-thienyl           3441         4-F         CO2Me         3-thienyl           3442         4-F         CO2Me         3-furanyl           3443         4-F         CO2Me         3-furanyl           3444         4-F         CO2Me         3-gyridyl           3445         4-F         CO2Me         3-pyridyl           3445         4-F         CO2Me         3-pyridyl           3446         4-F         CO2Me         3-indolyl           3448         4-F         CO2Me         3-indolyl           3450         4-F         CO2Me         3-indolyl           3451         4-F         CO2Me         3-indazolyl           3453         4-F         CO2Me         3-indazolyl           3454         4-F         CO2Me         3-indazolyl           3455         4-F         CO2Me         3-indazolyl           3456         4-F         CO2Me				
3438         4-F         CO2Me         3-CONH2-5-(1-Me-5-tetrazolyl)-Ph           3439         4-F         CO2Me         1-naphthyl           3440         4-F         CO2Me         2-naphthyl           3441         4-F         CO2Me         2-thienyl           3442         4-F         CO2Me         3-thienyl           3443         4-F         CO2Me         3-furanyl           3444         4-F         CO2Me         3-pyridyl           3445         4-F         CO2Me         3-pyridyl           3446         4-F         CO2Me         3-pyridyl           3447         4-F         CO2Me         3-indolyl           3448         4-F         CO2Me         3-indolyl           3449         4-F         CO2Me         3-indolyl           3450         4-F         CO2Me         3-indazolyl           3451         4-F         CO2Me         3-indazolyl           3453         4-F         CO2Me         3-indazolyl           3454         4-F         CO2Me         3-indazolyl           3455         4-F         CO2Me         3-indazolyl           3456         4-F         CO2Me         3-indazolyl				
3439         4-F         CO2Me         1-naphthyl           3440         4-F         CO2Me         2-naphthyl           3441         4-F         CO2Me         2-thienyl           3442         4-F         CO2Me         3-thienyl           3443         4-F         CO2Me         2-furanyl           3444         4-F         CO2Me         3-furanyl           3445         4-F         CO2Me         3-pyridyl           3446         4-F         CO2Me         3-pyridyl           3447         4-F         CO2Me         3-pyridyl           3448         4-F         CO2Me         2-indolyl           3449         4-F         CO2Me         3-indolyl           3450         4-F         CO2Me         3-indazolyl           3451         4-F         CO2Me         3-indazolyl           3453         4-F         CO2Me         3-indazolyl           3454         4-F         CO2Me         3-indazolyl           3455         4-F         CO2Me         3-indazolyl           3456         4-F         CO2Me         3-isoxazoyl           3457         4-F         CO2Me         3-isoxazoyl				<del></del>
3440         4-F         CO2Me         2-naphthyl           3441         4-F         CO2Me         2-thienyl           3442         4-F         CO2Me         3-thienyl           3443         4-F         CO2Me         2-furanyl           3444         4-F         CO2Me         3-furanyl           3445         4-F         CO2Me         2-pyridyl           3446         4-F         CO2Me         3-pyridyl           3447         4-F         CO2Me         4-pyridyl           3448         4-F         CO2Me         2-indolyl           3449         4-F         CO2Me         3-indolyl           3450         4-F         CO2Me         5-indolyl           3451         4-F         CO2Me         6-indolyl           3453         4-F         CO2Me         5-indazolyl           3454         4-F         CO2Me         6-indazolyl           3455         4-F         CO2Me         3-isoxazoyl           3456         4-F         CO2Me         3-isoxazoyl           3457         4-F         CO2Me         2-thiadiazolyl           3460         4-F         CO2Me         2-thiazolyl				<del>}</del>
3441         4-F         CO2Me         3-thienyl           3442         4-F         CO2Me         3-thienyl           3443         4-F         CO2Me         2-furanyl           3444         4-F         CO2Me         3-furanyl           3445         4-F         CO2Me         2-pyridyl           3446         4-F         CO2Me         3-pyridyl           3447         4-F         CO2Me         4-pyridyl           3448         4-F         CO2Me         2-indolyl           3449         4-F         CO2Me         3-indolyl           3450         4-F         CO2Me         5-indolyl           3451         4-F         CO2Me         3-indazolyl           3452         4-F         CO2Me         3-indazolyl           3453         4-F         CO2Me         5-indazolyl           3454         4-F         CO2Me         3-isoxazoyl           3455         4-F         CO2Me         3-isoxazoyl           3456         4-F         CO2Me         3-pyrazolyl           3458         4-F         CO2Me         2-thiadiazolyl           3459         4-F         CO2Me         2-thiazolyl				2-naphthyl
3442         4-F         CO2Me         3-thienyl           3443         4-F         CO2Me         2-furanyl           3444         4-F         CO2Me         3-furanyl           3445         4-F         CO2Me         2-pyridyl           3446         4-F         CO2Me         3-pyridyl           3447         4-F         CO2Me         4-pyridyl           3448         4-F         CO2Me         2-indolyl           3449         4-F         CO2Me         3-indolyl           3450         4-F         CO2Me         5-indolyl           3451         4-F         CO2Me         3-indazolyl           3453         4-F         CO2Me         5-indazolyl           3453         4-F         CO2Me         5-indazolyl           3454         4-F         CO2Me         5-indazolyl           3455         4-F         CO2Me         2-inidazolyl           3456         4-F         CO2Me         3-isoxazoyl           3457         4-F         CO2Me         3-pyrazolyl           3458         4-F         CO2Me         2-thiadiazolyl           3460         4-F         CO2Me         5-Ac-4-Me-2-thiazolyl </td <td></td> <td></td> <td>CO2Me</td> <td>2-thienyl</td>			CO2Me	2-thienyl
3443         4-F         CO2Me         2-furanyl           3444         4-F         CO2Me         3-furanyl           3445         4-F         CO2Me         2-pyridyl           3446         4-F         CO2Me         3-pyridyl           3447         4-F         CO2Me         4-pyridyl           3448         4-F         CO2Me         2-indolyl           3449         4-F         CO2Me         3-indolyl           3450         4-F         CO2Me         6-indolyl           3451         4-F         CO2Me         3-indazolyl           3453         4-F         CO2Me         6-indazolyl           3454         4-F         CO2Me         6-indazolyl           3455         4-F         CO2Me         2-imidazolyl           3456         4-F         CO2Me         3-jsoxazoyl           3457         4-F         CO2Me         2-thiadiazolyl           3458         4-F         CO2Me         2-thiazolyl           3460         4-F         CO2Me         5-Ac-4-Me-2-thiazolyl           3461         4-F         CO2Me         5-benzimidazolyl           3462         4-F         CO2Me         5-benzimidazolyl				
3444         4-F         CO2Me         3-furanyl           3445         4-F         CO2Me         2-pyridyl           3446         4-F         CO2Me         3-pyridyl           3447         4-F         CO2Me         4-pyridyl           3448         4-F         CO2Me         2-indolyl           3449         4-F         CO2Me         3-indolyl           3450         4-F         CO2Me         5-indolyl           3451         4-F         CO2Me         3-indazolyl           3452         4-F         CO2Me         3-indazolyl           3453         4-F         CO2Me         3-indazolyl           3454         4-F         CO2Me         3-indazolyl           3454         4-F         CO2Me         3-indazolyl           3454         4-F         CO2Me         3-indazolyl           3455         4-F         CO2Me         3-indazolyl           3456         4-F         CO2Me         3-indazolyl           3457         4-F         CO2Me         3-indazolyl           3458         4-F         CO2Me         2-thiazolyl           3460         4-F         CO2Me         5-Ac-4-Me-2-thiazolyl </td <td></td> <td></td> <td>CO2Me</td> <td>2-furanyl</td>			CO2Me	2-furanyl
3446         4-F         CO2Me         3-pyridyl           3447         4-F         CO2Me         4-pyridyl           3448         4-F         CO2Me         2-indolyl           3449         4-F         CO2Me         3-indolyl           3450         4-F         CO2Me         6-indolyl           3451         4-F         CO2Me         3-indazolyl           3452         4-F         CO2Me         5-indazolyl           3453         4-F         CO2Me         6-indazolyl           3454         4-F         CO2Me         2-imidazolyl           3455         4-F         CO2Me         3-isoxazoyl           3456         4-F         CO2Me         3-isoxazoyl           3457         4-F         CO2Me         3-pyrazolyl           3458         4-F         CO2Me         2-thiadiazolyl           3459         4-F         CO2Me         2-thiazolyl           3460         4-F         CO2Me         5-Ac-4-Me-2-thiazolyl           3461         4-F         CO2Me         5-benzimidazolyl           3462         4-F         CO2Me         5-benzimidazolyl           3463         4-F         CO2Me         5-ben	3444	4-F	CO2Me	3-furanyl
3447         4-F         CO2Me         2-indolyl           3448         4-F         CO2Me         3-indolyl           3449         4-F         CO2Me         3-indolyl           3450         4-F         CO2Me         5-indolyl           3451         4-F         CO2Me         6-indolyl           3452         4-F         CO2Me         3-indazolyl           3453         4-F         CO2Me         5-indazolyl           3454         4-F         CO2Me         6-indazolyl           3455         4-F         CO2Me         3-isoxazoyl           3456         4-F         CO2Me         3-pyrazolyl           3458         4-F         CO2Me         2-thiadiazolyl           3459         4-F         CO2Me         2-thiazolyl           3460         4-F         CO2Me         5-Ac-4-Me-2-thiazolyl           3461         4-F         CO2Me         5-tetrazolyl           3462         4-F         CO2Me         5-benzimidazolyl           3463         4-F         CO2Me         5-benzimidazolyl           3464         4-F         CO2Me         5-benzothiazolyl           3465         4-F         CO2Me	3445	4-F	CO2Me	2-pyridyl
3448         4-F         CO2Me         2-indolyl           3449         4-F         CO2Me         3-indolyl           3450         4-F         CO2Me         5-indolyl           3451         4-F         CO2Me         6-indolyl           3452         4-F         CO2Me         3-indazolyl           3453         4-F         CO2Me         5-indazolyl           3454         4-F         CO2Me         6-indazolyl           3455         4-F         CO2Me         3-isoxazoyl           3456         4-F         CO2Me         3-pyrazolyl           3457         4-F         CO2Me         2-thiadiazolyl           3458         4-F         CO2Me         2-thiadiazolyl           3459         4-F         CO2Me         2-thiazolyl           3460         4-F         CO2Me         5-Ac-4-Me-2-thiazolyl           3461         4-F         CO2Me         5-tetrazolyl           3462         4-F         CO2Me         5-benzimidazolyl           3463         4-F         CO2Me         5-benzimidazolyl           3464         4-F         CO2Me         5-benzothiazolyl           3465         4-F         CO2Me	3446	4-F	CO2Me	3-pyridyl
3449         4-F         CO2Me         3-indolyl           3450         4-F         CO2Me         5-indolyl           3451         4-F         CO2Me         6-indolyl           3452         4-F         CO2Me         3-indazolyl           3453         4-F         CO2Me         5-indazolyl           3454         4-F         CO2Me         6-indazolyl           3455         4-F         CO2Me         3-isoxazoyl           3456         4-F         CO2Me         3-pyrazolyl           3457         4-F         CO2Me         2-thiadiazolyl           3458         4-F         CO2Me         2-thiazolyl           3459         4-F         CO2Me         2-thiazolyl           3460         4-F         CO2Me         5-Ac-4-Me-2-thiazolyl           3461         4-F         CO2Me         5-benzimidazolyl           3462         4-F         CO2Me         2-benzimidazolyl           3463         4-F         CO2Me         5-benzothiazolyl           3464         4-F         CO2Me         5-benzothiazolyl           3465         4-F         CO2Me         5-benzoxazolyl           3466         4-F         CO2Me	3447	4-F	CO2Me	4-pyridyl
3450         4-F         CO2Me         5-indolyl           3451         4-F         CO2Me         6-indolyl           3452         4-F         CO2Me         3-indazolyl           3453         4-F         CO2Me         5-indazolyl           3454         4-F         CO2Me         6-indazolyl           3455         4-F         CO2Me         3-isoxazoyl           3456         4-F         CO2Me         3-pyrazolyl           3457         4-F         CO2Me         2-thiadiazolyl           3458         4-F         CO2Me         2-thiadiazolyl           3459         4-F         CO2Me         2-thiadiazolyl           3460         4-F         CO2Me         5-Ac-4-Me-2-thiazolyl           3461         4-F         CO2Me         5-tetrazolyl           3462         4-F         CO2Me         2-benzimidazolyl           3463         4-F         CO2Me         5-benzothiazolyl           3464         4-F         CO2Me         5-benzothiazolyl           3465         4-F         CO2Me         5-benzoxazolyl           3467         4-F         CO2Me         5-benzoxazolyl           3468         4-F         CO2Me	3448	4-F	CO2Me	2-indolyl
3451         4-F         CO2Me         6-indolyl           3452         4-F         CO2Me         3-indazolyl           3453         4-F         CO2Me         5-indazolyl           3454         4-F         CO2Me         6-indazolyl           3455         4-F         CO2Me         3-isoxazoyl           3456         4-F         CO2Me         3-pyrazolyl           3457         4-F         CO2Me         2-thiadiazolyl           3458         4-F         CO2Me         2-thiazolyl           3459         4-F         CO2Me         2-thiazolyl           3460         4-F         CO2Me         5-Ac-4-Me-2-thiazolyl           3461         4-F         CO2Me         2-benzimidazolyl           3462         4-F         CO2Me         2-benzimidazolyl           3463         4-F         CO2Me         2-benzothiazolyl           3464         4-F         CO2Me         5-benzothiazolyl           3465         4-F         CO2Me         2-benzoxazolyl           3467         4-F         CO2Me         5-benzoxazolyl           3468         4-F         CO2Me         1-adamantyl	3449	4-F	CO2Me	3-indolyl
3452         4-F         CO2Me         3-indazolyl           3453         4-F         CO2Me         5-indazolyl           3454         4-F         CO2Me         6-indazolyl           3455         4-F         CO2Me         2-imidazolyl           3456         4-F         CO2Me         3-isoxazoyl           3457         4-F         CO2Me         3-pyrazolyl           3458         4-F         CO2Me         2-thiadiazolyl           3459         4-F         CO2Me         2-thiazolyl           3460         4-F         CO2Me         5-Ac-4-Me-2-thiazolyl           3461         4-F         CO2Me         5-tetrazolyl           3462         4-F         CO2Me         2-benzimidazolyl           3463         4-F         CO2Me         5-benzimidazolyl           3464         4-F         CO2Me         2-benzothiazolyl           3465         4-F         CO2Me         5-benzothiazolyl           3466         4-F         CO2Me         5-benzoxazolyl           3467         4-F         CO2Me         5-benzoxazolyl           3468         4-F         CO2Me         1-adamantyl	3450	4-F	CO2Me	5-indolyl
3452         4-F         CO2Me         3-indazolyl           3453         4-F         CO2Me         5-indazolyl           3454         4-F         CO2Me         6-indazolyl           3455         4-F         CO2Me         2-imidazolyl           3456         4-F         CO2Me         3-isoxazoyl           3457         4-F         CO2Me         3-pyrazolyl           3458         4-F         CO2Me         2-thiadiazolyl           3459         4-F         CO2Me         2-thiazolyl           3460         4-F         CO2Me         5-Ac-4-Me-2-thiazolyl           3461         4-F         CO2Me         5-tetrazolyl           3462         4-F         CO2Me         2-benzimidazolyl           3463         4-F         CO2Me         5-benzimidazolyl           3464         4-F         CO2Me         2-benzothiazolyl           3465         4-F         CO2Me         5-benzothiazolyl           3466         4-F         CO2Me         5-benzoxazolyl           3467         4-F         CO2Me         5-benzoxazolyl           3468         4-F         CO2Me         1-adamantyl	3451		CO2Me	6-indolyl
3453         4-F         CO2Me         5-indazolyl           3454         4-F         CO2Me         6-indazolyl           3455         4-F         CO2Me         2-imidazolyl           3456         4-F         CO2Me         3-isoxazoyl           3457         4-F         CO2Me         3-pyrazolyl           3458         4-F         CO2Me         2-thiadiazolyl           3459         4-F         CO2Me         2-thiazolyl           3460         4-F         CO2Me         5-Ac-4-Me-2-thiazolyl           3461         4-F         CO2Me         5-tetrazolyl           3462         4-F         CO2Me         2-benzimidazolyl           3463         4-F         CO2Me         5-benzimidazolyl           3464         4-F         CO2Me         2-benzothiazolyl           3465         4-F         CO2Me         5-benzothiazolyl           3466         4-F         CO2Me         2-benzoxazolyl           3467         4-F         CO2Me         5-benzoxazolyl           3468         4-F         CO2Me         1-adamantyl		4-F	CO2Me	
3454         4-F         CO2Me         6-indazolyl           3455         4-F         CO2Me         2-imidazolyl           3456         4-F         CO2Me         3-isoxazoyl           3457         4-F         CO2Me         3-pyrazolyl           3458         4-F         CO2Me         2-thiadiazolyl           3459         4-F         CO2Me         2-thiazolyl           3460         4-F         CO2Me         5-Ac-4-Me-2-thiazolyl           3461         4-F         CO2Me         5-tetrazolyl           3462         4-F         CO2Me         2-benzimidazolyl           3463         4-F         CO2Me         5-benzimidazolyl           3464         4-F         CO2Me         2-benzothiazolyl           3465         4-F         CO2Me         2-benzothiazolyl           3466         4-F         CO2Me         2-benzoxazolyl           3467         4-F         CO2Me         5-benzoxazolyl           3468         4-F         CO2Me         1-adamantyl	3453	4-F	CO2Me	5-indazolyl
3456         4-F         CO2Me         3-isoxazoyl           3457         4-F         CO2Me         3-pyrazolyl           3458         4-F         CO2Me         2-thiadiazolyl           3459         4-F         CO2Me         2-thiazolyl           3460         4-F         CO2Me         5-Ac-4-Me-2-thiazolyl           3461         4-F         CO2Me         5-tetrazolyl           3462         4-F         CO2Me         2-benzimidazolyl           3463         4-F         CO2Me         5-benzimidazolyl           3464         4-F         CO2Me         2-benzothiazolyl           3465         4-F         CO2Me         2-benzoxazolyl           3467         4-F         CO2Me         5-benzoxazolyl           3468         4-F         CO2Me         1-adamantyl		4-F		
3457         4-F         CO2Me         3-pyrazolyl           3458         4-F         CO2Me         2-thiadiazolyl           3459         4-F         CO2Me         2-thiazolyl           3460         4-F         CO2Me         5-Ac-4-Me-2-thiazolyl           3461         4-F         CO2Me         5-tetrazolyl           3462         4-F         CO2Me         2-benzimidazolyl           3463         4-F         CO2Me         5-benzimidazolyl           3464         4-F         CO2Me         2-benzothiazolyl           3465         4-F         CO2Me         5-benzothiazolyl           3466         4-F         CO2Me         5-benzoxazolyl           3467         4-F         CO2Me         5-benzoxazolyl           3468         4-F         CO2Me         1-adamantyl	3455	4-F	CO2Me	
3457         4-F         CO2Me         3-pyrazolyl           3458         4-F         CO2Me         2-thiadiazolyl           3459         4-F         CO2Me         2-thiazolyl           3460         4-F         CO2Me         5-Ac-4-Me-2-thiazolyl           3461         4-F         CO2Me         5-tetrazolyl           3462         4-F         CO2Me         2-benzimidazolyl           3463         4-F         CO2Me         5-benzimidazolyl           3464         4-F         CO2Me         2-benzothiazolyl           3465         4-F         CO2Me         5-benzothiazolyl           3466         4-F         CO2Me         5-benzoxazolyl           3467         4-F         CO2Me         5-benzoxazolyl           3468         4-F         CO2Me         1-adamantyl	3456	4-F	CO2Me	
3458         4-F         CO2Me         2-thiadiazolyl           3459         4-F         CO2Me         2-thiazolyl           3460         4-F         CO2Me         5-Ac-4-Me-2-thiazolyl           3461         4-F         CO2Me         5-tetrazolyl           3462         4-F         CO2Me         2-benzimidazolyl           3463         4-F         CO2Me         5-benzimidazolyl           3464         4-F         CO2Me         2-benzothiazolyl           3465         4-F         CO2Me         5-benzothiazolyl           3466         4-F         CO2Me         2-benzoxazolyl           3467         4-F         CO2Me         5-benzoxazolyl           3468         4-F         CO2Me         1-adamantyl		4-F	CO2Me	
3459         4-F         CO2Me         2-thiazolyl           3460         4-F         CO2Me         5-Ac-4-Me-2-thiazolyl           3461         4-F         CO2Me         5-tetrazolyl           3462         4-F         CO2Me         2-benzimidazolyl           3463         4-F         CO2Me         5-benzimidazolyl           3464         4-F         CO2Me         2-benzothiazolyl           3465         4-F         CO2Me         5-benzothiazolyl           3466         4-F         CO2Me         2-benzoxazolyl           3467         4-F         CO2Me         5-benzoxazolyl           3468         4-F         CO2Me         1-adamantyl	3458			2-thiadiazolyl
3460         4-F         CO2Me         5-Ac-4-Me-2-thiazolyl           3461         4-F         CO2Me         5-tetrazolyl           3462         4-F         CO2Me         2-benzimidazolyl           3463         4-F         CO2Me         5-benzimidazolyl           3464         4-F         CO2Me         2-benzothiazolyl           3465         4-F         CO2Me         5-benzothiazolyl           3466         4-F         CO2Me         2-benzoxazolyl           3467         4-F         CO2Me         5-benzoxazolyl           3468         4-F         CO2Me         1-adamantyl				2-thiazolyl
3461       4-F       CO2Me       5-tetrazolyl         3462       4-F       CO2Me       2-benzimidazolyl         3463       4-F       CO2Me       5-benzimidazolyl         3464       4-F       CO2Me       2-benzothiazolyl         3465       4-F       CO2Me       5-benzothiazolyl         3466       4-F       CO2Me       2-benzoxazolyl         3467       4-F       CO2Me       5-benzoxazolyl         3468       4-F       CO2Me       1-adamantyl				5-Ac-4-Me-2-thiazolyl
3462       4-F       CO2Me       2-benzimidazolyl         3463       4-F       CO2Me       5-benzimidazolyl         3464       4-F       CO2Me       2-benzothiazolyl         3465       4-F       CO2Me       5-benzothiazolyl         3466       4-F       CO2Me       2-benzoxazolyl         3467       4-F       CO2Me       5-benzoxazolyl         3468       4-F       CO2Me       1-adamantyl			CO2Me	
3463         4-F         CO2Me         5-benzimidazolyl           3464         4-F         CO2Me         2-benzothiazolyl           3465         4-F         CO2Me         5-benzothiazolyl           3466         4-F         CO2Me         2-benzoxazolyl           3467         4-F         CO2Me         5-benzoxazolyl           3468         4-F         CO2Me         1-adamantyl			CO2Me	2-benzimidazolyl
3464       4-F       CO2Me       2-benzothiazolyl         3465       4-F       CO2Me       5-benzothiazolyl         3466       4-F       CO2Me       2-benzoxazolyl         3467       4-F       CO2Me       5-benzoxazolyl         3468       4-F       CO2Me       1-adamantyl			CO2Me	5-benzimidazolyl
3465       4-F       CO2Me       5-benzothiazolyl         3466       4-F       CO2Me       2-benzoxazolyl         3467       4-F       CO2Me       5-benzoxazolyl         3468       4-F       CO2Me       1-adamantyl		4-F	CO2Me	
3466         4-F         CO2Me         2-benzoxazolyl           3467         4-F         CO2Me         5-benzoxazolyl           3468         4-F         CO2Me         1-adamantyl		4-F	CO2Me	5-benzothiazolyl
3467         4-F         CO2Me         5-benzoxazolyl           3468         4-F         CO2Me         1-adamantyl		4-F	CO2Me	
		4-F		5-benzoxazolyl
3469 4-F CO2Me 2-adamantyl	3468	4-F	CO2Me	1-adamantyl
	3469	4-F	CO2Me	2-adamantyl

	T = 1	~~~	
3470	4-F	CO2Me	i-Pr
3471	4-F	CO2Me	t-Bu
3472	4-F	CO2Me	c-Hex
3473	4-F	CO2Me	CH2CH2OMe
3474	4-F	CO2Me	CH2CONH2
3475	4-F	CO2Me	CH2CO2Me
3476_	4-F	CO2Me	CH(CH2Ph)CO2Me
3477	4-F	CO2Me	CH2CH2NMe2
3478	4-F	CO2Me	benzyl
3479	4-F	CO2Me	phenethyl
3480	4-F	CO2Me	2-(morpholin-1-yl)-Et
3481	4-F	Ac	Ph
3482	4-F	Ac	3-CN-Ph
3483	4-F	Ac	3-COMe-Ph
3484	4-F	Ac	3-CO2Me-Ph
3485	4-F	Ac	3-CONH2-Ph
3486	4-F	Ac	3-CONHMe-Ph
3487	4-F	Ac	3-F-Ph
3488	4-F	Ac	3-C1-Ph
3489	4-F	Ac	3-Br-Ph
3490	4-F	AC	3-SO2NH2-Ph
3491	4-F	AC	3-SO2NH2-Ph
3492	4-F	Ac	3-CF3-Ph
	4-F		3-OMe-Ph
3493	4-F	Ac	3-SMe-Ph
3494		Ac	
3495	4-F	Ac	3-SOMe-Ph
3496	4-F	Ac	3-SO2Me-Ph
3497	4-F	Ac	3-OH-Ph
3498	4-F	Ac	3-CH2OH-Ph
3499	4-F	Ac	3-CHOHMe-Ph
3500	4-F	Ac	3-COH (Me) 2-Ph
3501	4-F	Ac	3-Me-Ph
3502	4-F	Ac	3-Et-Ph
3503	4-F	Ac	3-iPr-Ph
3504_	4-F	AC	3-tBu-Ph
3505	4-F	Ac	3-CH2CO2Me-Ph
3506	4-F	Ac	3-(1-piperidinyl)-Ph
3507	4-F	Ac	3-(1-pyrrolidinyl)-Ph
3508	4-F	Ac	3-(2-imidazolyl)-Ph
3509	4-F	Ac	3-(1-imidazolyl)-Ph
3510	4-F	Ac	3-(2-thiazolyl)-Ph
3511	4-F	Ac	3-(3-pyrazoly1)-Ph
3512	4-F	Ac	3-(1-pyrazolyl)-Ph
3513	4-F	Ac	3-(5-Me-1-tetrazolyl)-Ph
3514	4-F	Ac	3-(1-Me-5-tetrazolyl)-Ph
3515	4-F	Ac	3-(2-pyridyl)-Ph
3516	4-F	Ac	3-(2-thienyl)-Ph
3517	4-F	Ac	3-(2-furanyl)-Ph
3518	4-F	Ac	4-CN-Ph
3519	4-F	AC	4-COMe-Ph
3520	4-F	Ac	4-C02Me-Ph
3521	4-F	AC	4-CONH2-Ph
3522	4-F	AC	4-CONHMe-Ph
3523	4-F		4-CONHPh-Ph
		AC	4-F-Ph
3524	4-F	Ac	4-1-11

3526 4-F Ac 4-SC2NH2-Ph 3528 4-F Ac 4-SO2NH2-Ph 3529 4-F Ac 4-SO2NHE-Ph 3529 4-F Ac 4-SO2NHE-Ph 3531 4-F Ac 4-CF3-Ph 3531 4-F Ac 4-SMe-Ph 3531 4-F Ac 4-SMe-Ph 3533 4-F Ac 4-SMe-Ph 3533 4-F Ac 4-SMe-Ph 3534 4-F Ac 4-SMe-Ph 3536 4-F Ac 4-CH2OHP-Ph 3536 4-F Ac 4-CH2OHP-Ph 3537 4-F Ac 4-CH3OHP-Ph 3538 4-F Ac 4-CH2OHP-Ph 3538 4-F Ac 4-CH2OHP-Ph 3539 4-F Ac 4-CH2OHP-Ph 3539 4-F Ac 4-CH2OHP-Ph 3541 4-F Ac 4-EE-Ph 3541 4-F Ac 4-EE-Ph 3542 4-F Ac 4-CH2COME-Ph 3544 4-F Ac 4-CH2COME-Ph 3544 4-F Ac 4-CH2COME-Ph 3545 4-F Ac 4-CH2COME-Ph 3546 4-F Ac 4-CH2COME-Ph 3546 4-F Ac 4-CH2COME-Ph 3547 4-F Ac 4-CI-pyrrolidinyl)-Ph 3546 4-F Ac 4-CI-pyrrolidinyl)-Ph 3547 4-F Ac 4-CI-imidazolyl)-Ph 3548 4-F Ac 4-CI-imidazolyl)-Ph 3549 4-F Ac 4-CI-imidazolyl)-Ph 3551 4-F Ac 4-CI-imidazolyl)-Ph 3551 4-F Ac 4-CI-pyrazolyl)-Ph 3551 4-F Ac 4-CI-pyrazolyl)-Ph 3551 4-F Ac 4-CI-pyrazolyl)-Ph 3555 4-F Ac 4-CI-pyrazolyl)-Ph 3556 4-F Ac 4-CI-pyrazolyl)-Ph 3557 4-F Ac 4-CI-midazolyl)-Ph 3556 4-F Ac 4-CI-midazolyl)-Ph 3557 4-F Ac 4-CI-midazolyl)-Ph 3556 4-F Ac 4-CI-midazolyl)-Ph 3557 4-F Ac 4-CI-midazolyl)-Ph 3556 4-F Ac 4-CI-midazolyl)-Ph 3557 4-F Ac 4-CI-midazolyl)-Ph 3557 4-F Ac 4-CI-midazolyl)-Ph 3556 4-F Ac 4-CI-midazolyl)-Ph 3557 4-F Ac 4-CI-midazolyl)-Ph 3558 4-F Ac 4-CI-midazolyl)-Ph 3559 4-F Ac 4-CI-midazolyl)-Ph 3559 4-F Ac 4-CI-midazolyl)-Ph 3551 4-F Ac 4-CI-midazolyl)-Ph 3552 4-F Ac 4-CI-midazolyl)-Ph 3553 4-F Ac 4-CI-midazolyl)-Ph 3554 4-F Ac 4-CI-midazolyl)-Ph	3525	4-F	Ac	4-Cl-Ph
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3531   4-F   Ac				
3532 4-F Ac 4-SOMe-Ph 3533 4-F Ac 4-SOMe-Ph 3534 4-F Ac 4-GH-Ph 3535 4-F Ac 4-CH2OH-Ph 3535 4-F Ac 4-CH2OH-Ph 3536 4-F Ac 4-CH2OH-Ph 3537 4-F Ac 4-CH2OH-Ph 3538 4-F Ac 4-CH2OH-Ph 3538 4-F Ac 4-CH2OH-Ph 3538 4-F Ac 4-Me-Ph 3540 4-F Ac 4-Et-Ph 3541 4-F Ac 4-Et-Ph 3541 4-F Ac 4-CH2COZMe-Ph 3542 4-F Ac 4-CH2COZMe-Ph 3544 4-F Ac 4-CH2COZMe-Ph 3545 4-F Ac 4-CH2COZMe-Ph 3546 4-F Ac 4-CH2COZMe-Ph 3547 4-F Ac 4-CH2COZMe-Ph 3548 4-F Ac 4-CI-pyrrolidinyl)-Ph 3548 4-F Ac 4-CI-pyrrolidinyl)-Ph 3549 4-F Ac 4-CI-midazolyl)-Ph 3540 4-F Ac 4-CI-midazolyl)-Ph 3550 4-F Ac 4-CI-midazolyl)-Ph 3551 4-F Ac 4-CI-midazolyl)-Ph 3552 4-F Ac 4-CI-midazolyl)-Ph 3553 4-F Ac 4-CI-midazolyl)-Ph 3553 4-F Ac 4-CI-midazolyl)-Ph 3555 4-F Ac 4-CI-midazolyl)-Ph 3556 4-F Ac 4-CI-midazolyl)-Ph 3557 4-F Ac 4-CI-midazolyl)-Ph 3558 4-F Ac 4-CI-midazolyl)-Ph 3559 4-F Ac 4-CI-midazolyl)-Ph 3559 4-F Ac 4-CI-midazolyl)-Ph 3550 4-F Ac 4-CI-midazolyl)-Ph 3551 4-F Ac 4-CI-midazolyl)-Ph 3552 4-F Ac 4-CI-midazolyl)-Ph 3553 4-F Ac 4-CI-midazolyl)-Ph 3556 4-F Ac 4-CI-midazolyl)-Ph 3557 4-F Ac 4-CI-midazolyl)-Ph 3558 4-F Ac 4-CI-midazolyl)-Ph 3559 4-F Ac 4-CI-midazolyl)-Ph 3559 4-F Ac 4-CI-midazolyl)-Ph 3559 4-F Ac 4-CI-midazolyl)-Ph 3559 4-F Ac 4-CI-midazolyl)-Ph 3559 4-F Ac 4-CI-midazolyl)-Ph 3559 4-F Ac 4-CI-midazolyl)-Ph 3559 4-F Ac 4-CI-midazolyl)-Ph 3559 4-F Ac 4-CI-midazolyl)-Ph 3559 4-F Ac 4-CI-midazolyl)-Ph 3560 4-F Ac 2-CON-Ph 3561 4-F Ac 2-CON-Ph 3561 4-F Ac 2-CON-Ph 3561 4-F Ac 2-CON-Ph 3562 4-F Ac 2-CON-Ph 3563 4-F Ac 2-CON-Ph 3564 4-F Ac 2-CON-Ph 3569 4-F Ac 2-CON-Ph 3569 4-F Ac 2-CON-Ph 3569 4-F Ac 2-CON-Ph 3560 4-F Ac 2-CON-Ph 3560 4-F Ac 2-CON-Ph 3560 4-F Ac 2-CON-Ph 3561 4-F Ac 2-CON-Ph 3560 4-F Ac 2-CON-Ph 3560 4-F Ac 2-CON-Ph 3560 4-F Ac 2-CON-Ph 3560 4-F Ac 2-CON-Ph 3560 4-F Ac 2-CON-Ph 3560 4-F Ac 2-CON-Ph 3560 4-F Ac 2-CON-Ph 3560 4-F Ac 2-CON-Ph 3560 4-F Ac 2-CON-Ph 3560 4-F Ac 2-CON-Ph 3560 4-F Ac 2-CON-Ph 3560 4-F Ac 2-CON-Ph 3560 4-F Ac 2-CON-Ph 3560 4-F Ac 2-CON-Ph 3560 4-F Ac 2-CON-Ph 3560 4-F Ac 2-CON-Ph 3570 4-F Ac 2-CH0-Ph 3570 4-F A		<del></del>		
3533 4-F Ac 4-GUME-Ph 3534 4-F Ac 4-CH-Ph 3536 4-F Ac 4-CH2OH-Ph 3536 4-F Ac 4-CH2OH-Ph 3536 4-F Ac 4-CHOHME-Ph 3537 4-F Ac 4-CHOHME-Ph 3538 4-F Ac 4-CHOHME-Ph 3538 4-F Ac 4-CHOHME-Ph 3539 4-F Ac 4-EL-Ph 3540 4-F Ac 4-EL-Ph 3541 4-F Ac 4-EL-Ph 3542 4-F Ac 4-CH2COZME-Ph 3542 4-F Ac 4-CH2COZME-Ph 3544 4-F Ac 4-CH2COZME-Ph 3545 4-F Ac 4-CH2COZME-Ph 3546 4-F Ac 4-CH2COZME-Ph 3547 4-F Ac 4-CH2COZME-Ph 3548 4-F Ac 4-CH2COZME-Ph 35548 4-F Ac 4-CH2COZME-Ph 35549 4-F Ac 4-CH2COZME-Ph 35540 4-F Ac 4-CH2COZME-Ph 35550 4-F Ac 4-CHAIDAID-Ph 35550 4-F Ac 4-CHAIDAID-Ph 35551 4-F Ac 4-CHAIDAID-Ph 35551 4-F Ac 4-CHAIDAID-Ph 35551 4-F Ac 4-CHAIDAID-Ph 35552 4-F Ac 4-CHAIDAID-Ph 35553 4-F Ac 4-CHAIDAID-Ph 35554 4-F Ac 4-CHAIDAID-Ph 35554 4-F Ac 4-CHAIDAID-Ph 35555 4-F Ac 4-CHAIDAID-Ph 35556 4-F Ac 4-CHAIDAID-Ph 3556 4-F Ac 2-COME-Ph 3557 4-F Ac 2-COME-Ph 3556 4-F Ac 2-COME-Ph 3560 4-F Ac 2-COMHP-Ph 3560 4-F Ac 2-COMHP-Ph 3560 4-F Ac 2-COMHP-Ph 3560 4-F Ac 2-COMHP-Ph 3577 4-F Ac 2-COMHP-Ph 3579 4-F Ac 2-COMHP-Ph 3570 4-F Ac 2-COMHP-Ph 3560 4-F Ac 2-COMHP-Ph				
3534   4-F   Ac   4-OH-Ph   3535   4-F   Ac   4-CH2OH-Ph   3536   4-F   Ac   4-CH2OH-Ph   3537   4-F   Ac   4-CH0HMe-Ph   3537   4-F   Ac   4-CH0HMe-Ph   3538   4-F   Ac   4-Me-Ph   3538   4-F   Ac   4-Et-Ph   3540   4-F   Ac   4-Et-Ph   3541   4-F   Ac   4-Et-Ph   3541   4-F   Ac   4-CH2O2Me-Ph   3542   4-F   Ac   4-CH2O2Me-Ph   3543   4-F   Ac   4-(1-piperidinyl)-Ph   3544   4-F   Ac   4-(1-piperidinyl)-Ph   3545   4-F   Ac   4-(1-piperidinyl)-Ph   3546   4-F   Ac   4-(1-imidazolyl)-Ph   3547   4-F   Ac   4-(1-imidazolyl)-Ph   3549   4-F   Ac   4-(1-piperidinyl)-Ph   3550   4-F   Ac   4-(1-midazolyl)-Ph   3551   4-F   Ac   4-(1-midazolyl)-Ph   3552   4-F   Ac   4-(1-midazolyl)-Ph   3553   4-F   Ac   4-(1-midazolyl)-Ph   3553   4-F   Ac   4-(1-midazolyl)-Ph   3555   4-F   Ac   4-(1-midazolyl)-Ph   3555   4-F   Ac   4-(2-thienyl)-Ph   3555   4-F   Ac   4-(2-thienyl)-Ph   3556   4-F   Ac   4-(2-thienyl)-Ph   3556   4-F   Ac   4-(2-thienyl)-Ph   3557   4-F   Ac   2-CN-Ph   3558   4-F   Ac   2-CN-Ph   3558   4-F   Ac   2-CN-Ph   3556   4-F   Ac   2-CN-Ph   3560   4-F   Ac   2-CM-Ph   3560   4-F   Ac   2-CN-Ph   3570   4-F   Ac   2-CN-Ph   3570   4-F   Ac   2-CN-Ph   3574   4-F   Ac   2-CN-Ph   3576   4-F   Ac   2-CN-Ph   3576   4-F   Ac   2-CN-Ph   3576   4-F   Ac   2-CN-Ph   3576   4-F   Ac   2-CN			Ac	4-SOMe-Ph
3535 4-F Ac 4-CHOMM-Ph 3536 4-F Ac 4-CHOMM-Ph 3536 4-F Ac 4-CHOMM-Ph 3537 4-F Ac 4-CHOMM-Ph 3538 4-F Ac 4-CHOMM-Ph 3538 4-F Ac 4-M-Ph 3539 4-F Ac 4-EL-Ph 3540 4-F Ac 4-EL-Ph 3541 4-F Ac 4-IPT-Ph 3541 4-F Ac 4-CH2CO2M-Ph 3542 4-F Ac 4-CH2CO2M-Ph 3544 4-F Ac 4-CH2CO2M-Ph 3544 4-F Ac 4-CH2CO2M-Ph 3545 4-F Ac 4-CH2CO2M-Ph 3546 4-F Ac 4-CH2CO2M-Ph 3547 4-F Ac 4-CH2CO2M-Ph 3548 4-F Ac 4-CHAMANINI-Ph 3549 4-F Ac 4-CHAMANINI-Ph 3550 4-F Ac 4-CHAMANINI-Ph 3551 4-F Ac 4-CHAMANINI-Ph 3551 4-F Ac 4-CHAMANINI-Ph 3552 4-F Ac 4-CHAMANINI-Ph 3553 4-F Ac 4-CHAMANINI-Ph 3554 4-F Ac 4-CHAMANINI-Ph 3555 4-F Ac 4-CHAMANINI-Ph 3555 4-F Ac 4-CHAMANINI-Ph 3556 4-F Ac 2-CN-Ph 3557 4-F Ac 2-COMM-Ph 3557 4-F Ac 2-COMM-Ph 3560 4-F Ac 2-COMM-Ph 3570 4-F Ac 2-COMM-Ph 3570 4-F Ac 2-CHOMM-Ph 3571 4-F Ac 2-CHOMM-Ph 3578 4-F Ac 2-CHOMM-Ph 3578 4-F Ac 2-CH2COMM-Ph		4-F	Ac	4-SO2Me-Ph
3536   4-F   Ac   4-CHOHMe-Ph   3537   4-F   Ac   4-CH(Me) 2-Ph   3538   4-F   Ac   4-Me-Ph   3539   4-F   Ac   4-Et-Ph   3540   4-F   Ac   4-Et-Ph   3540   4-F   Ac   4-Et-Ph   3542   4-F   Ac   4-CH2CO2Me-Ph   3543   4-F   Ac   4-CH2CO2Me-Ph   3544   4-F   Ac   4-(1-piperidiny1)-Ph   3545   4-F   Ac   4-(1-piperidiny1)-Ph   3545   4-F   Ac   4-(1-piperidiny1)-Ph   3546   4-F   Ac   4-(1-piperidiny1)-Ph   3548   4-F   Ac   4-(1-piperidiny1)-Ph   3548   4-F   Ac   4-(1-piperidiny1)-Ph   3549   4-F   Ac   4-(1-piperidiny1)-Ph   3550   4-F   Ac   4-(1-piperidiny1)-Ph   3551   4-F   Ac   4-(1-piperidiny1)-Ph   3552   4-F   Ac   4-(1-piperidiny1)-Ph   3553   4-F   Ac   4-(1-piperidiny1)-Ph   3554   4-F   Ac   4-(1-piperidiny1)-Ph   3555   4-F   Ac   4-(1-piperidiny1)-Ph   3555   4-F   Ac   4-(1-piperidiny1)-Ph   3556   4-F   Ac   4-(1-piperidiny1)-Ph   3557   4-F   Ac   4-(1-piperidiny1)-Ph   3558   4-F   Ac   4-(1-piperidiny1)-Ph   3556   4-F   Ac   2-COMe-Ph   3557   4-F   Ac   2-COMe-Ph   3558   4-F   Ac   2-COMH2-Ph   3560   4-F   Ac   2-SOZNHME-Ph   3560   4-F   Ac   2-SOZNHME-Ph   3560   4-F   Ac   2-SOZNHME-Ph   3560   4-F   Ac   2-SOZNHME-Ph   3560   4-F   Ac   2-SOZNHE-Ph   3570   4-F   Ac   2-SOZNHE-Ph   3570   4-F   Ac   2-SOZNHE-Ph   3570   4-F   Ac   2-SOZNHE-Ph   3570   4-F   Ac   2-CH2OH-Ph   3570   4-F   Ac   2-CH	3534	4-F	Ac	4-OH-Ph
3537   4-F   Ac   4-COH(Me) 2-Ph   3538   4-F   Ac   4-Me-Ph   3539   4-F   Ac   4-Et-Ph   3540   4-F   Ac   4-Et-Ph   3541   4-F   Ac   4-Et-Ph   3541   4-F   Ac   4-CH2CO2Me-Ph   3543   4-F   Ac   4-(1-piperidiny1)-Ph   3544   4-F   Ac   4-(1-piperidiny1)-Ph   3545   4-F   Ac   4-(1-piperidiny1)-Ph   3546   4-F   Ac   4-(1-piperidiny1)-Ph   3547   4-F   Ac   4-(2-midazoly1)-Ph   3548   4-F   Ac   4-(2-midazoly1)-Ph   3549   4-F   Ac   4-(1-pyrazoly1)-Ph   3550   4-F   Ac   4-(1-pyrazoly1)-Ph   3551   4-F   Ac   4-(1-me-5-tetrazoly1)-Ph   3551   4-F   Ac   4-(2-me-5-tetrazoly1)-Ph   3553   4-F   Ac   4-(2-me-5-tetrazoly1)-Ph   3554   4-F   Ac   4-(2-me-5-tetrazoly1)-Ph   3555   4-F   Ac   4-(2-me-5-tetrazoly1)-Ph   3556   4-F   Ac   4-(2-furany1)-Ph   3556   4-F   Ac   4-(2-furany1)-Ph   3556   4-F   Ac   2-COME-Ph   3557   4-F   Ac   2-COME-Ph   3558   4-F   Ac   2-COMHMe-Ph   3560   4-F   Ac   2-COMHMe-Ph   3560   4-F   Ac   2-COMHMe-Ph   3561   4-F   Ac   2-COMHMe-Ph   3563   4-F   Ac   2-COMHMe-Ph   3564   4-F   Ac   2-SOZNH2-Ph   3566   4-F   Ac   2-SOZNH2-Ph   3566   4-F   Ac   2-SOZNH2-Ph   3566   4-F   Ac   2-SOZNH2-Ph   3567   4-F   Ac   2-SOZNH2-Ph   3568   4-F   Ac   2-SOZNH2-Ph   3569   4-F   Ac   2-SOZNH2-Ph   3570   4-F   Ac   2-SOZME-Ph   3571   4-F   Ac   2-CH2OH-Ph   3572   4-F   Ac   2-CH2OH-Ph   3573   4-F   Ac   2-CH2OH-Ph   3574   4-F   Ac   2-CH2OH-Ph   3575   4-F   Ac   2-CH2OH-Ph   3576   4-F   Ac   2-LH2OH-Ph   3578   4-F   Ac	3535	4-F	Ac	4-CH2OH-Ph
3538   4-F   Ac   4-Me-Ph   3539   4-F   Ac   4-Et-Ph   3540   4-F   Ac   4-Et-Ph   3541   4-F   Ac   4-Eu-Ph   3541   4-F   Ac   4-CH2CO2Me-Ph   3542   4-F   Ac   4-CH2CO2Me-Ph   3543   4-F   Ac   4-(1-pyrrolidinyl)-Ph   3544   4-F   Ac   4-(1-pyrrolidinyl)-Ph   3545   4-F   Ac   4-(2-imidazolyl)-Ph   3546   4-F   Ac   4-(2-imidazolyl)-Ph   3548   4-F   Ac   4-(2-thiazolyl)-Ph   3548   4-F   Ac   4-(2-thiazolyl)-Ph   3549   4-F   Ac   4-(1-myrazolyl)-Ph   3551   4-F   Ac   4-(1-me-5-tetrazolyl)-Ph   3552   4-F   Ac   4-(2-myridyl)-Ph   3553   4-F   Ac   4-(2-thiayl)-Ph   3553   4-F   Ac   4-(2-thiayl)-Ph   3554   4-F   Ac   4-(2-thiayl)-Ph   3555   4-F   Ac   4-(2-thiayl)-Ph   3556   4-F   Ac   4-(2-thiayl)-Ph   3556   4-F   Ac   2-COMe-Ph   3557   4-F   Ac   2-COMe-Ph   3558   4-F   Ac   2-COMe-Ph   3559   4-F   Ac   2-COMe-Ph   3560   4-F   Ac   2-COMHe-Ph   3560   4-F   Ac   2-COMHe-Ph   3561   4-F   Ac   2-COMHe-Ph   3562   4-F   Ac   2-COMHe-Ph   3564   4-F   Ac   2-COMHe-Ph   3566   4-F   Ac   2-CF3-Ph   3566   4-F   Ac   2-SOZNHMe-Ph   3567   4-F   Ac   2-SOZNHBe-Ph   3568   4-F   Ac   2-SOZNH2-Ph   3568   4-F   Ac   2-SOZNH2-Ph   3569   4-F   Ac   2-SOZNH2-Ph   3569   4-F   Ac   2-SOZNH2-Ph   3569   4-F   Ac   2-SOZNH2-Ph   3570   4-F   Ac   2-SOZNH2-Ph   3570   4-F   Ac   2-SOZNH2-Ph   3571   4-F   Ac   2-SOZNH2-Ph   3572   4-F   Ac   2-SOZNH2-Ph   3573   4-F   Ac   2-SOZNH2-Ph   3574   4-F   Ac   2-SOZNH2-Ph   3575   4-F   Ac   2-SOZNH2-Ph   3576   4-F   Ac   2-SOZNH2-Ph   3576   4-F   Ac   2-SOZNH2-Ph   3576   4-F   Ac   2-CH2OH-Ph   3577   4-F   Ac   2-CH2OM-Ph   3578	3536	4-F	Ac	4-CHOHMe-Ph
3538   4-F   Ac   4-Me-Ph   3539   4-F   Ac   4-Et-Ph   3540   4-F   Ac   4-Et-Ph   3541   4-F   Ac   4-Eu-Ph   3541   4-F   Ac   4-CH2CO2Me-Ph   3543   4-F   Ac   4-(1-piperidinyl)-Ph   3544   4-F   Ac   4-(1-piperidinyl)-Ph   3545   4-F   Ac   4-(1-piperidinyl)-Ph   3546   4-F   Ac   4-(1-imidazolyl)-Ph   3548   4-F   Ac   4-(1-imidazolyl)-Ph   3548   4-F   Ac   4-(2-thiazolyl)-Ph   3549   4-F   Ac   4-(1-me-5-tetrazolyl)-Ph   3551   4-F   Ac   4-(1-me-5-tetrazolyl)-Ph   3552   4-F   Ac   4-(2-piperidinyl)-Ph   3553   4-F   Ac   4-(2-piperidinyl)-Ph   3553   4-F   Ac   4-(2-piperidinyl)-Ph   3555   4-F   Ac   4-(2-piperidinyl)-Ph   3556   4-F   Ac   4-(2-piperidinyl)-Ph   3556   4-F   Ac   4-(2-piperidinyl)-Ph   3556   4-F   Ac   4-(2-piperidinyl)-Ph   3556   4-F   Ac   2-COMe-Ph   3557   4-F   Ac   2-COMe-Ph   3558   4-F   Ac   2-COMe-Ph   3559   4-F   Ac   2-COMe-Ph   3560   4-F   Ac   2-COMHe-Ph   3560   4-F   Ac   2-CF3-Ph   3566   4-F   Ac   2-SOZNHA-Ph   3566   4-F   Ac   2-SOZNHB-Ph   3567   4-F   Ac   2-SOZNHB-Ph   3568   4-F   Ac   2-SOZNHB-Ph   3569   4-F   Ac   2-SOZNHB-Ph   3569   4-F   Ac   2-SOZNHB-Ph   3569   4-F   Ac   2-SOZNHB-Ph   3570   4-F   Ac   2-SOZNHB-Ph   3570   4-F   Ac   2-SOZNHB-Ph   3570   4-F   Ac   2-SOZNHB-Ph   3571   4-F   Ac   2-SOZNHB-Ph   3572   4-F   Ac   2-CH2OH-Ph   3573   4-F   Ac   2-CH2OH-Ph   3574   4-F   Ac   2-CH2OH-Ph   3575   4-F   Ac   2-CH2OH-Ph   3576   4-F   Ac   2-LED-Ph   3576   4-F   Ac   2-LED-Ph   3576   4-F   Ac   2-LED-Ph   3578   4-F   Ac   2-LED	3537	4-F	Ac	4-COH(Me)2-Ph
3539   4-F   Ac				
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3545   4-F   Ac				
3546 4-F Ac 4-(1-imidazoly1)-Ph 3547 4-F Ac 4-(2-thiazoly1)-Ph 3548 4-F Ac 4-(3-pyrazoly1)-Ph 3549 4-F Ac 4-(1-pyrazoly1)-Ph 3550 4-F Ac 4-(1-pyrazoly1)-Ph 3550 4-F Ac 4-(1-pyrazoly1)-Ph 3551 4-F Ac 4-(1-me-5-tetrazoly1)-Ph 3552 4-F Ac 4-(2-pyridy1)-Ph 3553 4-F Ac 4-(2-pyridy1)-Ph 3554 4-F Ac 4-(2-furany1)-Ph 3555 4-F Ac 2-CN-Ph 3556 4-F Ac 2-COMe-Ph 3557 4-F Ac 2-COME-Ph 3558 4-F Ac 2-COMH-Ph 3559 4-F Ac 2-CONH2-Ph 3560 4-F Ac 2-CONH2-Ph 3561 4-F Ac 2-C1-Ph 3562 4-F Ac 2-SO2NH2-Ph 3563 4-F Ac 2-SO2NH2-Ph 3564 4-F Ac 2-SO2NH2-Ph 3564 4-F Ac 2-SO2NH2-Ph 3565 4-F Ac 2-SO2NH2-Ph 3566 4-F Ac 2-SO2NH2-Ph 3567 4-F Ac 2-SO2NH2-Ph 3568 4-F Ac 2-SO2NH2-Ph 3569 4-F Ac 2-SO2NH2-Ph 3569 4-F Ac 2-SO2NH2-Ph 3570 4-F Ac 2-SO2NH2-Ph 3571 4-F Ac 2-SO2ME-Ph 3573 4-F Ac 2-SO2ME-Ph 3573 4-F Ac 2-CH2OH-Ph 3574 4-F Ac 2-CH2OH-Ph 3575 4-F Ac 2-CH2OH-Ph 3577 4-F Ac 2-CH2OH-Ph 3577 4-F Ac 2-Me-Ph 3577 4-F Ac 2-Me-Ph 3577 4-F Ac 2-Et-Ph 3577 4-F Ac 2-IPr-Ph 3577 4-F Ac 2-IPr-Ph 3577 4-F Ac 2-IPr-Ph 3578 4-F Ac 2-IPr-Ph 3577 4-F Ac 2-IPr-Ph 3577 4-F Ac 2-IPr-Ph 3578 4-F Ac 2-IPr-Ph 3578 4-F Ac 2-IPR-Ph				
3547 4-F Ac 4-(2-thiazoly1)-Ph 3548 4-F Ac 4-(3-pyrazoly1)-Ph 3549 4-F Ac 4-(1-pyrazoly1)-Ph 3550 4-F Ac 4-(1-pyrazoly1)-Ph 3551 4-F Ac 4-(1-me-5-tetrazoly1)-Ph 3551 4-F Ac 4-(1-me-5-tetrazoly1)-Ph 3552 4-F Ac 4-(2-pyridy1)-Ph 3553 4-F Ac 4-(2-thieny1)-Ph 3554 4-F Ac 4-(2-thieny1)-Ph 3555 4-F Ac 2-CN-Ph 3556 4-F Ac 2-CN-Ph 3557 4-F Ac 2-COMe-Ph 3559 4-F Ac 2-COMe-Ph 3559 4-F Ac 2-COMMe-Ph 3560 4-F Ac 2-CONHMe-Ph 3561 4-F Ac 2-F-Ph 3561 4-F Ac 2-SOZNH2-Ph 3562 4-F Ac 2-SOZNH2-Ph 3564 4-F Ac 2-SOZNH2-Ph 3565 4-F Ac 2-SOZNHMe-Ph 3564 4-F Ac 2-SOZNHMe-Ph 3565 4-F Ac 2-SOZNHMe-Ph 3566 4-F Ac 2-SOZNHMe-Ph 3567 4-F Ac 2-SOZNHMe-Ph 3568 4-F Ac 2-SOZNHMe-Ph 3569 4-F Ac 2-SOZNHMe-Ph 3569 4-F Ac 2-SOZNHPh 3569 4-F Ac 2-SOME-Ph 3570 4-F Ac 2-SOME-Ph 3571 4-F Ac 2-SOME-Ph 3571 4-F Ac 2-SOME-Ph 3572 4-F Ac 2-CH2OH-Ph 3573 4-F Ac 2-CH2OH-Ph 3574 4-F Ac 2-CHOME-Ph 3575 4-F Ac 2-CH2OH-Ph 3577 4-F Ac 2-Et-Ph 3576 4-F Ac 2-Et-Ph 3577 4-F Ac 2-IP-Ph 3577 4-F Ac 2-IP-Ph 3577 4-F Ac 2-IB-Ph 3578 4-F Ac 2-IB-Ph 3578 4-F Ac 2-IB-Ph 3578 4-F Ac 2-IB-Ph 3578 4-F Ac 2-IB-Ph 3578 4-F Ac 2-IB-Ph 3578 4-F Ac 2-IB-Ph				
3548 4-F Ac 4-(3-pyrazoly1)-Ph 3549 4-F Ac 4-(1-pyrazoly1)-Ph 3550 4-F Ac 4-(5-Me-1-tetrazoly1)-Ph 3551 4-F Ac 4-(1-Me-5-tetrazoly1)-Ph 3551 4-F Ac 4-(2-pyridy1)-Ph 3552 4-F Ac 4-(2-pyridy1)-Ph 3553 4-F Ac 4-(2-thieny1)-Ph 3554 4-F Ac 4-(2-furany1)-Ph 3555 4-F Ac 2-CN-Ph 3556 4-F Ac 2-COME-Ph 3557 4-F Ac 2-COME-Ph 3558 4-F Ac 2-COMHO-Ph 3559 4-F Ac 2-CONHMO-Ph 3560 4-F Ac 2-CONHMO-Ph 3561 4-F Ac 2-C1-Ph 3562 4-F Ac 2-SO2NHMO-Ph 3563 4-F Ac 2-SO2NHMO-Ph 3564 4-F Ac 2-SO2NHMO-Ph 3565 4-F Ac 2-SO2NHMO-Ph 3566 4-F Ac 2-SO2NHMO-Ph 3567 4-F Ac 2-SO2NHMO-Ph 3568 4-F Ac 2-SO2NHMO-Ph 3569 4-F Ac 2-SO2NHMO-Ph 3569 4-F Ac 2-SO2NHMO-Ph 3570 4-F Ac 2-SO2MO-Ph 3571 4-F Ac 2-SO2MO-Ph 3571 4-F Ac 2-SO2MO-Ph 3572 4-F Ac 2-CH2OH-Ph 3573 4-F Ac 2-CH2OH-Ph 3574 4-F Ac 2-CH2OH-Ph 3575 4-F Ac 2-CH2OH-Ph 3576 4-F Ac 2-CH2OH-Ph 3577 4-F Ac 2-CHOHMO-Ph 3577 4-F Ac 2-ET-Ph 3578 4-F Ac 2-ET-Ph 3578 4-F Ac 2-ET-Ph 3577 4-F Ac 2-ET-Ph 3577 4-F Ac 2-ET-Ph 3578 4-F Ac 2-ET-Ph 3578 4-F Ac 2-ET-Ph 3578 4-F Ac 2-ET-Ph 3578 4-F Ac 2-ET-Ph 3578 4-F Ac 2-ET-Ph 3578 4-F Ac 2-ET-Ph 3578 4-F Ac 2-ET-Ph 3578 4-F Ac 2-ET-Ph 3578 4-F Ac 2-ET-Ph 3578 4-F Ac 2-ET-Ph				
3549   4-F   Ac   4-(1-pyrazoly1)-Ph   3550   4-F   Ac   4-(5-Me-1-tetrazoly1)-Ph   3551   4-F   Ac   4-(1-Me-5-tetrazoly1)-Ph   3551   4-F   Ac   4-(2-pyridy1)-Ph   3552   4-F   Ac   4-(2-pyridy1)-Ph   3553   4-F   Ac   4-(2-thieny1)-Ph   3554   4-F   Ac   4-(2-furany1)-Ph   3555   4-F   Ac   2-CN-Ph   3556   4-F   Ac   2-COMe-Ph   3557   4-F   Ac   2-COMe-Ph   3557   4-F   Ac   2-COMHe-Ph   3558   4-F   Ac   2-COMHe-Ph   3559   4-F   Ac   2-COMHe-Ph   3560   4-F   Ac   2-F-Ph   3561   4-F   Ac   2-F-Ph   3562   4-F   Ac   2-Br-Ph   3563   4-F   Ac   2-Br-Ph   3564   4-F   Ac   2-SO2NH2-Ph   3566   4-F   Ac   2-SO2NH2-Ph   3566   4-F   Ac   2-CF3-Ph   3566   4-F   Ac   2-CF3-Ph   3567   4-F   Ac   2-SMe-Ph   3568   4-F   Ac   2-SMe-Ph   3569   4-F   Ac   2-SO2Me-Ph   3570   4-F   Ac   2-SO2Me-Ph   3571   4-F   Ac   2-CH2OH-Ph   3572   4-F   Ac   2-CH2OH-Ph   3573   4-F   Ac   2-CH2OH-Ph   3574   4-F   Ac   2-CH2OH-Ph   3575   4-F   Ac   2-CH2OH-Ph   3576   4-F   Ac   2-Et-Ph   3576   4-F   Ac   2-Et-Ph   3576   4-F   Ac   2-Et-Ph   3578   4-F   Ac   2-CH2OZME-Ph   3578   4-F   Ac   2-ED-Ph   3578   4-F   Ac   2-CH2OZME-Ph				
3550 4-F Ac 4-(5-Me-1-tetrazoly1)-Ph 3551 4-F Ac 4-(1-Me-5-tetrazoly1)-Ph 3552 4-F Ac 4-(2-pyridy1)-Ph 3553 4-F Ac 4-(2-thieny1)-Ph 3553 4-F Ac 4-(2-thieny1)-Ph 3554 4-F Ac 4-(2-furany1)-Ph 3555 4-F Ac 2-CN-Ph 3556 4-F Ac 2-COMe-Ph 3557 4-F Ac 2-COMe-Ph 3558 4-F Ac 2-COMH2-Ph 3559 4-F Ac 2-CONHMe-Ph 3560 4-F Ac 2-CONHMe-Ph 3561 4-F Ac 2-C1-Ph 3562 4-F Ac 2-SO2NH2-Ph 3563 4-F Ac 2-SO2NH2-Ph 3564 4-F Ac 2-SO2NHMe-Ph 3565 4-F Ac 2-SO2NHMe-Ph 3566 4-F Ac 2-SO2NHMe-Ph 3567 4-F Ac 2-CF3-Ph 3568 4-F Ac 2-SOM-Ph 3569 4-F Ac 2-SOM-Ph 3570 4-F Ac 2-SOM-Ph 3571 4-F Ac 2-SOM-Ph 3571 4-F Ac 2-CH2OH-Ph 3573 4-F Ac 2-CH2OH-Ph 3574 4-F Ac 2-CH2OH-Ph 3575 4-F Ac 2-CH2OH-Ph 3576 4-F Ac 2-CH2OH-Ph 3577 4-F Ac 2-CH2OH-Ph 3577 4-F Ac 2-EH-Ph 3578 4-F Ac 2-EH-Ph				
3551 4-F Ac 4-(1-Me-5-tetrazoly1)-Ph 3552 4-F Ac 4-(2-pyridy1)-Ph 3553 4-F Ac 4-(2-thieny1)-Ph 3553 4-F Ac 4-(2-thieny1)-Ph 3554 4-F Ac 4-(2-furany1)-Ph 3555 4-F Ac 2-CN-Ph 3556 4-F Ac 2-COMe-Ph 3557 4-F Ac 2-COMe-Ph 3558 4-F Ac 2-CONH2-Ph 3559 4-F Ac 2-CONHMe-Ph 3560 4-F Ac 2-CI-Ph 3561 4-F Ac 2-CI-Ph 3562 4-F Ac 2-Br-Ph 3563 4-F Ac 2-SO2NH2-Ph 3564 4-F Ac 2-SO2NH2-Ph 3565 4-F Ac 2-SO2NH2-Ph 3566 4-F Ac 2-SO2NH2-Ph 3567 4-F Ac 2-SO2NH2-Ph 3568 4-F Ac 2-CF3-Ph 3568 4-F Ac 2-CMe-Ph 3569 4-F Ac 2-SO2Me-Ph 3570 4-F Ac 2-SO2Me-Ph 3571 4-F Ac 2-CH2OH-Ph 3571 4-F Ac 2-CH2OH-Ph 3573 4-F Ac 2-CH2OH-Ph 3574 4-F Ac 2-CH2OH-Ph 3575 4-F Ac 2-CH2OH-Ph 3576 4-F Ac 2-EF-Ph 3577 4-F Ac 2-EF-Ph 3577 4-F Ac 2-EF-Ph 3577 4-F Ac 2-EF-Ph 3577 4-F Ac 2-EF-Ph 3577 4-F Ac 2-EF-Ph 3577 4-F Ac 2-EF-Ph 3577 4-F Ac 2-EF-Ph 3577 4-F Ac 2-EB-Ph 3578 4-F Ac 2-EB-Ph				
3552         4-F         Ac         4-(2-pyridy1)-Ph           3553         4-F         Ac         4-(2-furany1)-Ph           3554         4-F         Ac         4-(2-furany1)-Ph           3555         4-F         Ac         2-CN-Ph           3556         4-F         Ac         2-COMe-Ph           3557         4-F         Ac         2-COMe-Ph           3558         4-F         Ac         2-CONH2-Ph           3559         4-F         Ac         2-CONHMe-Ph           3560         4-F         Ac         2-F-Ph           3561         4-F         Ac         2-Br-Ph           3562         4-F         Ac         2-SOZNH2-Ph           3563         4-F         Ac         2-SOZNH2-Ph           3564         4-F         Ac         2-SOZNH2-Ph           3565         4-F         Ac         2-SOZNHE-Ph           3566         4-F         Ac         2-SMe-Ph           3567         4-F         Ac         2-SMe-Ph           3569         4-F         Ac         2-SOMe-Ph           3570         4-F         Ac         2-CH2OH-Ph           3571         4-F				
3553 4-F Ac 4-(2-thieny1)-Ph 3554 4-F Ac 4-(2-furany1)-Ph 3555 4-F Ac 2-CN-Ph 3556 4-F Ac 2-COME-Ph 3557 4-F Ac 2-COME-Ph 3558 4-F Ac 2-CONH2-Ph 3559 4-F Ac 2-CONHM2-Ph 3560 4-F Ac 2-CONHM2-Ph 3561 4-F Ac 2-F-Ph 3561 4-F Ac 2-F-Ph 3562 4-F Ac 2-SO2NH2-Ph 3563 4-F Ac 2-SO2NH2-Ph 3564 4-F Ac 2-SO2NHM2-Ph 3565 4-F Ac 2-SO2NHM2-Ph 3566 4-F Ac 2-SO2NHM2-Ph 3567 4-F Ac 2-SOM2-Ph 3568 4-F Ac 2-SOM2-Ph 3569 4-F Ac 2-SOM2-Ph 3570 4-F Ac 2-SOM2-Ph 3571 4-F Ac 2-CH2OH-Ph 3573 4-F Ac 2-CH2OH-Ph 3574 4-F Ac 2-CH2OH-Ph 3575 4-F Ac 2-CH2OH-Ph 3576 4-F Ac 2-CH2OH-Ph 3577 4-F Ac 2-Et-Ph 3577 4-F Ac 2-IPr-Ph				
3554     4-F     Ac     4-(2-furany1)-Ph       3555     4-F     Ac     2-CN-Ph       3556     4-F     Ac     2-COMe-Ph       3557     4-F     Ac     2-CONH2-Ph       3558     4-F     Ac     2-CONH4-Ph       3559     4-F     Ac     2-F-Ph       3560     4-F     Ac     2-F-Ph       3561     4-F     Ac     2-Br-Ph       3562     4-F     Ac     2-SO2NH2-Ph       3563     4-F     Ac     2-SO2NHMe-Ph       3564     4-F     Ac     2-SO2NHMe-Ph       3565     4-F     Ac     2-SMe-Ph       3566     4-F     Ac     2-SMe-Ph       3568     4-F     Ac     2-SOMe-Ph       3569     4-F     Ac     2-SOMe-Ph       3570     4-F     Ac     2-CH2OH-Ph       3571     4-F     Ac     2-CH2OH-Ph       3573     4-F     Ac     2-CH0HMe-Ph       3575     4-F     Ac     2-Me-Ph       3576     4-F     Ac     2-Et-Ph       3576     4-F     Ac     2-Et-Ph       3576     4-F     Ac     2-Et-Ph       3576     4-F     Ac     2-Et-Ph <td></td> <td></td> <td></td> <td></td>				
3555         4-F         Ac         2-CN-Ph           3556         4-F         Ac         2-COMe-Ph           3557         4-F         Ac         2-COMe-Ph           3558         4-F         Ac         2-CONH2-Ph           3559         4-F         Ac         2-CONHME-Ph           3560         4-F         Ac         2-F-Ph           3561         4-F         Ac         2-Br-Ph           3562         4-F         Ac         2-SO2NH2-Ph           3563         4-F         Ac         2-SO2NH2-Ph           3564         4-F         Ac         2-SO2NHME-Ph           3565         4-F         Ac         2-OME-Ph           3566         4-F         Ac         2-SME-Ph           3568         4-F         Ac         2-SOME-Ph           3569         4-F         Ac         2-SO2ME-Ph           3570         4-F         Ac         2-CH2OH-Ph           3571         4-F         Ac         2-CHOHME-Ph           3573         4-F         Ac         2-CHOHME-Ph           3574         4-F         Ac         2-EH-Ph           3575         4-F         Ac				4-(2-thienyl)-Ph
3556       4-F       Ac       2-COMe-Ph         3557       4-F       Ac       2-COMe-Ph         3558       4-F       Ac       2-CONH2-Ph         3559       4-F       Ac       2-CONHMe-Ph         3560       4-F       Ac       2-F-Ph         3561       4-F       Ac       2-Br-Ph         3562       4-F       Ac       2-SO2NH2-Ph         3563       4-F       Ac       2-SO2NH2-Ph         3564       4-F       Ac       2-SO2NHMe-Ph         3565       4-F       Ac       2-CF3-Ph         3566       4-F       Ac       2-OMe-Ph         3567       4-F       Ac       2-SMe-Ph         3568       4-F       Ac       2-SOMe-Ph         3570       4-F       Ac       2-OH-Ph         3571       4-F       Ac       2-CH2OH-Ph         3573       4-F       Ac       2-CH0HMe-Ph         3574       4-F       Ac       2-Et-Ph         3576       4-F       Ac       2-Et-Ph         3576       4-F       Ac       2-Et-Ph         3578       4-F       Ac       2-CH2CO2Me-Ph </td <td></td> <td></td> <td></td> <td></td>				
3557       4-F       Ac       2-CO2Me-Ph         3558       4-F       Ac       2-CONH2-Ph         3559       4-F       Ac       2-CONHMe-Ph         3560       4-F       Ac       2-F-Ph         3561       4-F       Ac       2-Br-Ph         3562       4-F       Ac       2-SO2NH2-Ph         3563       4-F       Ac       2-SO2NHMe-Ph         3564       4-F       Ac       2-CF3-Ph         3565       4-F       Ac       2-OMe-Ph         3566       4-F       Ac       2-SMe-Ph         3568       4-F       Ac       2-SOMe-Ph         3569       4-F       Ac       2-SOMe-Ph         3570       4-F       Ac       2-CH2OH-Ph         3571       4-F       Ac       2-CH2OH-Ph         3573       4-F       Ac       2-CH0HMe-Ph         3574       4-F       Ac       2-Et-Ph         3576       4-F       Ac       2-Et-Ph         3577       4-F       Ac       2-Et-Ph         3578       4-F       Ac       2-CH2CO2Me-Ph			Ac	
3558       4-F       Ac       2-CONH2-Ph         3559       4-F       Ac       2-CONHMe-Ph         3560       4-F       Ac       2-F-Ph         3561       4-F       Ac       2-Br-Ph         3562       4-F       Ac       2-SO2NH2-Ph         3563       4-F       Ac       2-SO2NH2-Ph         3564       4-F       Ac       2-SO2NHMe-Ph         3565       4-F       Ac       2-OMe-Ph         3566       4-F       Ac       2-SMe-Ph         3568       4-F       Ac       2-SOMe-Ph         3569       4-F       Ac       2-SO2Me-Ph         3570       4-F       Ac       2-CH2OH-Ph         3571       4-F       Ac       2-CH2OH-Ph         3572       4-F       Ac       2-CHOHMe-Ph         3573       4-F       Ac       2-CHOHMe-Ph         3574       4-F       Ac       2-Me-Ph         3575       4-F       Ac       2-Et-Ph         3576       4-F       Ac       2-iPr-Ph         3578       4-F       Ac       2-CH2CO2Me-Ph			Ac	2-COMe-Ph
3559       4-F       Ac       2-CONHMe-Ph         3560       4-F       Ac       2-F-Ph         3561       4-F       Ac       2-C1-Ph         3562       4-F       Ac       2-Br-Ph         3563       4-F       Ac       2-SO2NH2-Ph         3564       4-F       Ac       2-SO2NHMe-Ph         3565       4-F       Ac       2-OMe-Ph         3566       4-F       Ac       2-SMe-Ph         3568       4-F       Ac       2-SOMe-Ph         3569       4-F       Ac       2-SO2Me-Ph         3570       4-F       Ac       2-OH-Ph         3571       4-F       Ac       2-CH2OH-Ph         3572       4-F       Ac       2-CH0HMe-Ph         3573       4-F       Ac       2-CH0HMe-Ph         3574       4-F       Ac       2-Me-Ph         3575       4-F       Ac       2-Et-Ph         3576       4-F       Ac       2-iPr-Ph         3578       4-F       Ac       2-CH2CO2Me-Ph	3557		Ac	2-CO2Me-Ph
3560       4-F       Ac       2-F-Ph         3561       4-F       Ac       2-C1-Ph         3562       4-F       Ac       2-Br-Ph         3563       4-F       Ac       2-SO2NH2-Ph         3564       4-F       Ac       2-SO2NHMe-Ph         3565       4-F       Ac       2-CF3-Ph         3566       4-F       Ac       2-OMe-Ph         3567       4-F       Ac       2-SMe-Ph         3568       4-F       Ac       2-SOMe-Ph         3569       4-F       Ac       2-SO2Me-Ph         3570       4-F       Ac       2-OH-Ph         3571       4-F       Ac       2-CH2OH-Ph         3572       4-F       Ac       2-CH0HMe-Ph         3573       4-F       Ac       2-Me-Ph         3574       4-F       Ac       2-Me-Ph         3575       4-F       Ac       2-Et-Ph         3576       4-F       Ac       2-iPr-Ph         3578       4-F       Ac       2-CH2CO2Me-Ph	3558	4-F	Ac	2-CONH2-Ph
3561       4-F       Ac       2-C1-Ph         3562       4-F       Ac       2-Br-Ph         3563       4-F       Ac       2-SO2NH2-Ph         3564       4-F       Ac       2-CF3-Ph         3565       4-F       Ac       2-CF3-Ph         3566       4-F       Ac       2-OMe-Ph         3567       4-F       Ac       2-SMe-Ph         3568       4-F       Ac       2-SOMe-Ph         3569       4-F       Ac       2-SO2Me-Ph         3570       4-F       Ac       2-OH-Ph         3571       4-F       Ac       2-CH2OH-Ph         3572       4-F       Ac       2-CH0HMe-Ph         3573       4-F       Ac       2-Me-Ph         3574       4-F       Ac       2-Et-Ph         3576       4-F       Ac       2-iPr-Ph         3577       4-F       Ac       2-tBu-Ph         3578       4-F       Ac       2-CH2CO2Me-Ph	3559	4-F	Ac	2-CONHMe-Ph
3562       4-F       Ac       2-Br-Ph         3563       4-F       Ac       2-SO2NH2-Ph         3564       4-F       Ac       2-SO2NHMe-Ph         3565       4-F       Ac       2-CF3-Ph         3566       4-F       Ac       2-OMe-Ph         3567       4-F       Ac       2-SMe-Ph         3568       4-F       Ac       2-SOMe-Ph         3569       4-F       Ac       2-SO2Me-Ph         3570       4-F       Ac       2-OH-Ph         3571       4-F       Ac       2-CH2OH-Ph         3572       4-F       Ac       2-CH0HMe-Ph         3573       4-F       Ac       2-CH0HMe-Ph         3574       4-F       Ac       2-Me-Ph         3575       4-F       Ac       2-Et-Ph         3576       4-F       Ac       2-iPr-Ph         3577       4-F       Ac       2-tBu-Ph         3578       4-F       Ac       2-CH2CO2Me-Ph	3560	4-F	Ac	2-F-Ph
3562       4-F       Ac       2-Br-Ph         3563       4-F       Ac       2-SO2NH2-Ph         3564       4-F       Ac       2-SO2NHMe-Ph         3565       4-F       Ac       2-CF3-Ph         3566       4-F       Ac       2-OMe-Ph         3567       4-F       Ac       2-SMe-Ph         3568       4-F       Ac       2-SOMe-Ph         3569       4-F       Ac       2-SO2Me-Ph         3570       4-F       Ac       2-OH-Ph         3571       4-F       Ac       2-CH2OH-Ph         3572       4-F       Ac       2-CH0HMe-Ph         3573       4-F       Ac       2-CH0HMe-Ph         3574       4-F       Ac       2-Me-Ph         3575       4-F       Ac       2-Et-Ph         3576       4-F       Ac       2-iPr-Ph         3577       4-F       Ac       2-tBu-Ph         3578       4-F       Ac       2-CH2CO2Me-Ph	3561	4-F	Ac	2-Cl-Ph
3563       4-F       Ac       2-SO2NH2-Ph         3564       4-F       Ac       2-SO2NHMe-Ph         3565       4-F       Ac       2-CF3-Ph         3566       4-F       Ac       2-OMe-Ph         3567       4-F       Ac       2-SMe-Ph         3568       4-F       Ac       2-SOMe-Ph         3569       4-F       Ac       2-SO2Me-Ph         3570       4-F       Ac       2-OH-Ph         3571       4-F       Ac       2-CH2OH-Ph         3572       4-F       Ac       2-CH0HMe-Ph         3573       4-F       Ac       2-CH0HMe-Ph         3574       4-F       Ac       2-Me-Ph         3575       4-F       Ac       2-Et-Ph         3576       4-F       Ac       2-iPr-Ph         3577       4-F       Ac       2-tBu-Ph         3578       4-F       Ac       2-CH2CO2Me-Ph		4-F		
3564       4-F       Ac       2-SO2NHMe-Ph         3565       4-F       Ac       2-CF3-Ph         3566       4-F       Ac       2-OMe-Ph         3567       4-F       Ac       2-SMe-Ph         3568       4-F       Ac       2-SO2Me-Ph         3569       4-F       Ac       2-SO2Me-Ph         3570       4-F       Ac       2-OH-Ph         3571       4-F       Ac       2-CH2OH-Ph         3572       4-F       Ac       2-CHOHMe-Ph         3573       4-F       Ac       2-COH (Me) 2-Ph         3574       4-F       Ac       2-Me-Ph         3575       4-F       Ac       2-Et-Ph         3576       4-F       Ac       2-iPr-Ph         3577       4-F       Ac       2-tBu-Ph         3578       4-F       Ac       2-CH2CO2Me-Ph		4-F		
3565 4-F Ac 2-CF3-Ph 3566 4-F Ac 2-OMe-Ph 3567 4-F Ac 2-SMe-Ph 3568 4-F Ac 2-SOMe-Ph 3569 4-F Ac 2-SOMe-Ph 3570 4-F Ac 2-OH-Ph 3571 4-F Ac 2-CH2OH-Ph 3572 4-F Ac 2-CHOHMe-Ph 3573 4-F Ac 2-CHOHMe-Ph 3574 4-F Ac 2-CH-Ph 3575 4-F Ac 2-Et-Ph 3576 4-F Ac 2-tBu-Ph 3577 4-F Ac 2-CH2CO2Me-Ph				
3566 4-F Ac 2-OMe-Ph 3567 4-F Ac 2-SMe-Ph 3568 4-F Ac 2-SOMe-Ph 3569 4-F Ac 2-SOMe-Ph 3570 4-F Ac 2-OH-Ph 3571 4-F Ac 2-CH2OH-Ph 3572 4-F Ac 2-CHOHMe-Ph 3573 4-F Ac 2-CHOHMe-Ph 3574 4-F Ac 2-Et-Ph 3576 4-F Ac 2-tBu-Ph 3577 4-F Ac 2-CH2CO2Me-Ph				
3567       4-F       Ac       2-SMe-Ph         3568       4-F       Ac       2-SOMe-Ph         3569       4-F       Ac       2-SO2Me-Ph         3570       4-F       Ac       2-OH-Ph         3571       4-F       Ac       2-CH2OH-Ph         3572       4-F       Ac       2-CHOHMe-Ph         3573       4-F       Ac       2-COH (Me) 2-Ph         3574       4-F       Ac       2-Me-Ph         3575       4-F       Ac       2-Et-Ph         3576       4-F       Ac       2-iPr-Ph         3577       4-F       Ac       2-tBu-Ph         3578       4-F       Ac       2-CH2CO2Me-Ph				
3568       4-F       Ac       2-SOMe-Ph         3569       4-F       Ac       2-SOZMe-Ph         3570       4-F       Ac       2-OH-Ph         3571       4-F       Ac       2-CH2OH-Ph         3572       4-F       Ac       2-CHOHMe-Ph         3573       4-F       Ac       2-COH (Me) 2-Ph         3574       4-F       Ac       2-Me-Ph         3575       4-F       Ac       2-Et-Ph         3576       4-F       Ac       2-iPr-Ph         3577       4-F       Ac       2-tBu-Ph         3578       4-F       Ac       2-CH2CO2Me-Ph				
3569 4-F Ac 2-SO2Me-Ph 3570 4-F Ac 2-OH-Ph 3571 4-F Ac 2-CH2OH-Ph 3572 4-F Ac 2-CHOHMe-Ph 3573 4-F Ac 2-COH (Me) 2-Ph 3574 4-F Ac 2-Me-Ph 3575 4-F Ac 2-Et-Ph 3576 4-F Ac 2-iPr-Ph 3577 4-F Ac 2-tBu-Ph 3578 4-F Ac 2-CH2CO2Me-Ph				
3570 4-F Ac 2-OH-Ph 3571 4-F Ac 2-CH2OH-Ph 3572 4-F Ac 2-CHOHMe-Ph 3573 4-F Ac 2-COH (Me) 2-Ph 3574 4-F Ac 2-Me-Ph 3575 4-F Ac 2-Et-Ph 3576 4-F Ac 2-iPr-Ph 3577 4-F Ac 2-tBu-Ph 3578 4-F Ac 2-CH2CO2Me-Ph				
3571     4-F     Ac     2-CH2OH-Ph       3572     4-F     Ac     2-CHOHMe-Ph       3573     4-F     Ac     2-COH (Me) 2-Ph       3574     4-F     Ac     2-Me-Ph       3575     4-F     Ac     2-Et-Ph       3576     4-F     Ac     2-iPr-Ph       3577     4-F     Ac     2-tBu-Ph       3578     4-F     Ac     2-CH2CO2Me-Ph				
3572  4-F  Ac  2-CHOHMe-Ph 3573  4-F  Ac  2-COH (Me) 2-Ph 3574  4-F  Ac  2-Me-Ph 3575  4-F  Ac  2-Et-Ph 3576  4-F  Ac  2-iPr-Ph 3577  4-F  Ac  2-tBu-Ph 3578  4-F  Ac  2-CH2CO2Me-Ph				
3573				
3574  4-F  Ac				
3575     4-F     Ac     2-Et-Ph       3576     4-F     Ac     2-iPr-Ph       3577     4-F     Ac     2-tBu-Ph       3578     4-F     Ac     2-CH2CO2Me-Ph				
3576     4-F     Ac     2-iPr-Ph       3577     4-F     Ac     2-tBu-Ph       3578     4-F     Ac     2-CH2CO2Me-Ph				
3577         4-F         Ac         2-tBu-Ph           3578         4-F         Ac         2-CH2CO2Me-Ph				
3578 4-F Ac 2-CH2CO2Me-Ph				
			Ac	
3579   1-F   Ac   2 (1-ninomidinal) Db			Ac	
22/2   4-r   AC   2-(1-piperidiny1)-hu	3579	4-F	Ac	2-(1-piperidinyl)-Ph

3580	4-F	Ac	2-(1-pyrrolidinyl)-Ph
3581	4-F	Ac	2-(2-imidazolyl)-Ph
3582	4-F	Ac	2-(1-imidazolyl)-Ph
3583	4-F	Ac	2-(2-thiazolyl)-Ph
3584	4-F	Ac	2-(3-pyrazoly1)-Ph
3585	4-F	Ac	2-(1-pyrazolyl)-Ph
3586	4-F	Ac	2-(5-Me-1-tetrazolyl)-Ph
3587	4-F	Ac	2-(1-Me-5-tetrazolyl)-Ph
3588	4-F	Ac	2-(2-pyridyl)-Ph
3589	4-F	Ac	2-(2-thienyl)-Ph
3590	4-F	Ac	2-(2-furanyl)-Ph
3591	4-F	Ac	2,4-diF-Ph
3592	4-F	Ac	2,5-diF-Ph
3593	4-F	Ac	2,6-diF-Ph
3594	4-F	Ac	3,4-diF-Ph
3595	4-F	Ac	3,5-diF-Ph
3596	4-F	Ac	2,4-diCl-Ph
3597	4-F	Ac	2,5-diCl-Ph
3598	4-F	Ac	2,6-diCl-Ph
3599	4-F	Ac	3,4-diCl-Ph
3600	4-F	Ac	3,5-diCl-Ph
3601	4-F	Ac	3,4-diCF3-Ph
3602	4-F	Ac	3,5-diCF3-Ph
3603	4-F	Ac	5-Cl-2-MeO-Ph
3604	4-F	Ac	5-C1-2-Me-Ph
3605	4-F	Ac	2-F-5-Me-Ph
3606	4-F	Ac	3-F-5-morpholino-Ph
3607	4-F	Ac	3,4-OCH2O-Ph
3608	4-F	Ac	3,4-OCH2CH2O-Ph
3609	4-F	Ac	2-MeO-5-CONH2-Ph
3610	4-F	Ac	2-MeO-4-(1-Me-5-tetrazolyl)-Ph
3611	4-F	Ac	2-MeO-5-(1-Me-5-tetrazoly1)-Ph
3612	4-F	Ac	3-CONH2-5-(1-Me-5-tetrazolyl)-Ph
3613	4-F	Ac	1-naphthyl
3614	4-F	Ac	2-naphthyl
3615	4-F	Ac	2-thienyl
3616	4-F	Ac	3-thienyl
3617	4-F	Ac	2-furanyl
3618	4-F	Ac	3-furanyl
3619	4-F	Ac	2-pyridyl
3620	4-F	Ac	3-pyridyl
3621	4-F	Ac	4-pyridyl
3622	4-F	Ac	2-indoly1
3623	4-F	Ac	3-indolyl
3624	4-F	Ac	5-indolyl
3625	4-F	Ac	6-indolyl
3626	4-F	Ac	3-indazolyl
3627	4-F	Ac	5-indazolyl
3628	4-F	Ac	6-indazolyl
3629	4-F	Ac	2-imidazolyl
3630	4-F	Ac	3-isoxazoyl
3631	4-F	Ac	3-pyrazolyl
3632	4-F	Ac	2-thiadiazolyl
3633		7 ~	) +bio=01::1
3634	4-F 4-F	Ac Ac	2-thiazolyl 5-Ac-4-Me-2-thiazolyl

2625	1 4 1	7-	5 + a + m = a 1 - a 1
3635	4-F	Ac	5-tetrazolyl
3636	4-F	Ac	2-benzimidazolyl
3637	4-F	Ac	5-benzimidazolyl
3638	4-F	Ac	2-benzothiazolyl
3639	4-F	Ac	5-benzothiazolyl
3640	4-F	Ac	2-benzoxazoly1
3641	4-F	Ac	5-benzoxazolyl
3642	4-F	Ac	1-adamantyl
3643	4-F	Ac	2-adamantyl
3644	4-F	Ac	i-Pr
3645	4-F	Ac	t-Bu
3646	4-F	Ac	c-Hex
3647	4-F	Ac	CH2CH2OMe
3648	4-F	Ac	CH2CONH2
3649	4-F	Ac	CH2CO2Me
3650	4-F	Ac	CH(CH2Ph)CO2Me
3651	4-F	Ac	CH2CH2NMe2
3652	4-F	Ac	benzyl
3653	4-F	Ac	phenethyl
3654	4-F	Ac	2-(morpholin-1-yl)-Et
3655	4-F	COtBu	Ph
3656	4-F	COtBu_	3-CN-Ph
3657	4-F	COtBu	3-COMe-Ph
3658	4-F	COtBu	3-CO2Me-Ph
3659	4-F	COtBu	3-CONH2-Ph
3660	4-F	COtBu	3-CONHMe-Ph
3661	4-F	COtBu	3-F-Ph
3662	4-F	COtBu	3-C1-Ph
3663	4-F	COtBu	3-Br-Ph
3664	4-F	COtBu	3-SO2NH2-Ph
3665	4-F	COtBu_	3-SO2NHMe-Ph
3666	4-F	COtBu	3-CF3-Ph
3667	4-F	COtBu	3-OMe-Ph
3668	4-F	COtBu	3-SMe-Ph
3669	4-F	COtBu	3-SOMe-Ph
3670	4-F	COtBu	3-SO2Me-Ph
3671	4-F	COtBu	3-OH-Ph
3672	4-F	COtBu	3-CH2OH-Ph
3673	4-F	COtBu	3-CHOHMe-Ph
3674	4-F	COtBu	3-COH(Me)2-Ph
3675	4-F	COtBu	3-Me-Ph
3676	4-F	COtBu	3-Et-Ph
3677	4-F	COtBu	3-iPr-Ph
3678	4-F	COtBu	3-tBu-Ph
3679	4-F	COtBu	3-CH2CO2Me-Ph
3680	4-F	COtBu	3-(1-piperidinyl)-Ph
3681	4-F	COtBu	3-(1-pyrrolidinyl)-Ph
3682	4-F	COtBu	3-(2-imidazolyl)-Ph
3683	4-F	COtBu	3-(1-imidazoly1)-Ph
3684	4-F	COtBu	3-(2-thiazolyl)-Ph
3685	4-F	COtBu	3-(3-pyrazolyl)-Ph
3686	4-F	COtBu	3-(1-pyrazolyl)-Ph
3687	4-F	COtBu	3-(5-Me-1-tetrazoly1)-Ph
3688	4-F	COtBu	3-(1-Me-5-tetrazolyl)-Ph
3689	4-F	COtBu	3-(2-pyridy1)-Ph

3690 4-F COTBU 3-(2-furany1)-Ph 3692 4-F COTBU 3-(2-furany1)-Ph 3693 4-F COTBU 4-COM-Ph 3693 4-F COTBU 4-COM-Ph 3694 4-F COTBU 4-COM-Ph 3695 4-F COTBU 4-CONH-Ph 3695 4-F COTBU 4-CONH-Ph 3696 4-F COTBU 4-CONH-Ph 3697 4-F COTBU 4-CONH-Ph 3698 4-F COTBU 4-CONH-Ph 3698 4-F COTBU 4-F-Ph 3700 4-F COTBU 4-SOZNH-Ph 3701 4-F COTBU 4-SOZNH-Ph 3702 4-F COTBU 4-SOZNH-Ph 3703 4-F COTBU 4-SOZNH-Ph 3703 4-F COTBU 4-SOZNH-Ph 3704 4-F COTBU 4-SOZNH-Ph 3705 4-F COTBU 4-SOZNH-Ph 3706 4-F COTBU 4-SOZNH-Ph 3707 4-F COTBU 4-SOZNH-Ph 3708 4-F COTBU 4-SOZNH-Ph 3709 4-F COTBU 4-SOZNH-Ph 3709 4-F COTBU 4-SOZNH-Ph 3709 4-F COTBU 4-SOZNH-Ph 3709 4-F COTBU 4-SOZNH-Ph 3709 4-F COTBU 4-SOZNH-Ph 3709 4-F COTBU 4-SOZNH-Ph 3709 4-F COTBU 4-SOZNH-Ph 3710 4-F COTBU 4-CH2CH-Ph 3710 4-F COTBU 4-CH2CH-Ph 3711 4-F COTBU 4-CH3CH-Ph 3711 4-F COTBU 4-CH3CH-Ph 3711 4-F COTBU 4-CH3CH-Ph 3712 4-F COTBU 4-CH3CH-Ph 3713 4-F COTBU 4-CH3CH-Ph 3714 4-F COTBU 4-CH3CH-Ph 3715 4-F COTBU 4-CH3CH-Ph 3716 4-F COTBU 4-CH3CH-Ph 3717 4-F COTBU 4-CH3CH-Ph 3718 4-F COTBU 4-CH3COZNH-Ph 3719 4-F COTBU 4-CH3CH-Ph 3719 4-F COTBU 4-CH3CH-Ph 3719 4-F COTBU 4-CH3CH-Ph 3710 4-F COTBU 4-CH3CH-Ph 3711 4-F COTBU 4-CH3CH-Ph 3712 4-F COTBU 4-CH3CH-Ph 3713 4-F COTBU 4-CH3CH-Ph 3714 4-F COTBU 4-CH3CH-Ph 3715 4-F COTBU 4-CH3CH-Ph 3717 4-F COTBU 4-CH3CH-Ph 3719 4-F COTBU 4-CH3CH-Ph 3719 4-F COTBU 4-CH3CH-Ph 3719 4-F COTBU 4-CH3CH-Ph 3719 4-F COTBU 4-CH3CH-Ph 3719 4-F COTBU 4-CH3CH-Ph 3720 4-F COTBU 4-CH3CH-Ph 3721 4-F COTBU 4-CH3CH-Ph 3722 4-F COTBU 4-CH3CH-Ph 3723 4-F COTBU 4-CH3CH-Ph 3724 4-F COTBU 4-CH3CH-Ph 3725 4-F COTBU 4-CH3CH-Ph 3726 4-F COTBU 4-CH3CH-Ph 3727 4-F COTBU 4-CH3CH-Ph 3738 4-F COTBU 4-CH3CH-Ph 3739 4-F COTBU 4-CH3CH-Ph 3739 4-F COTBU 4-CH3CH-Ph 3739 4-F COTBU 4-CH3CH-Ph 3739 4-F COTBU 4-CH3CH-Ph 3739 4-F COTBU 4-CH3CH-Ph 3739 4-F COTBU 4-CH3CH-Ph 3739 4-F COTBU 4-CH3CH-Ph 3739 4-F COTBU 4-CH3CH-Ph 3739 4-F COTBU 4-CH3CH-Ph 3739 4-F COTBU 2-COM-Ph 3739 4-F COTBU 2-COM-Ph 3739 4-F COTBU 2-COM-Ph 3739 4-F COTBU 2-COM-Ph 3739 4-F COTBU 2-SOZNH-Ph 3739 4-F COTBU 2-SOZNH-Ph		·—-		
3692 4-F COLBU 4-CN-Ph 3694 4-F COUBU 4-COME-Ph 3695 4-F COUBU 4-COME-Ph 3695 4-F COUBU 4-CONHE-Ph 3696 4-F COUBU 4-CONHE-Ph 3697 4-F COUBU 4-CONHE-Ph 3698 4-F COUBU 4-CONHPH-Ph 3698 4-F COUBU 4-CN-Ph 3699 4-F COUBU 4-F-Ph 3700 4-F COUBU 4-F-Ph 3700 4-F COUBU 4-SONHE-Ph 3701 4-F COUBU 4-SONHE-Ph 3702 4-F COUBU 4-SONHE-Ph 3703 4-F COUBU 4-SONHE-Ph 3704 4-F COUBU 4-SONHE-Ph 3705 4-F COUBU 4-SONHE-Ph 3706 4-F COUBU 4-SOM-Ph 3707 4-F COUBU 4-SOM-Ph 3708 4-F COUBU 4-SOM-Ph 3709 4-F COUBU 4-SOM-Ph 3709 4-F COUBU 4-CHO-Ph 3710 4-F COUBU 4-CHO-Ph 3710 4-F COUBU 4-CHO-Ph 3711 4-F COUBU 4-CHO-Ph 3711 4-F COUBU 4-CHO-Ph 3712 4-F COUBU 4-CHO-Ph 3713 4-F COUBU 4-CHO-Ph 3714 4-F COUBU 4-CHO-Ph 3715 4-F COUBU 4-CHO-Ph 3716 4-F COUBU 4-CHO-Ph 3717 4-F COUBU 4-ED-Ph 3718 4-F COUBU 4-ED-Ph 3719 4-F COUBU 4-ED-Ph 3710 4-F COUBU 4-ED-Ph 3711 4-F COUBU 4-ED-Ph 3712 4-F COUBU 4-ED-Ph 3713 4-F COUBU 4-ED-Ph 3714 4-F COUBU 4-ED-Ph 3715 4-F COUBU 4-ED-Ph 3716 4-F COUBU 4-ED-Ph 3717 4-F COUBU 4-ED-Ph 3718 4-F COUBU 4-I-piperidinyl)-Ph 3719 4-F COUBU 4-I-piperidinyl)-Ph 3720 4-F COUBU 4-I-piperidinyl)-Ph 3721 4-F COUBU 4-I-piperidinyl)-Ph 3722 4-F COUBU 4-I-piperidinyl)-Ph 3723 4-F COUBU 4-I-piperidinyl)-Ph 3724 4-F COUBU 4-I-piperidinyl)-Ph 3725 4-F COUBU 4-I-piperidinyl)-Ph 3726 4-F COUBU 4-I-piperidinyl)-Ph 3727 4-F COUBU 4-I-piperidinyl)-Ph 3728 4-F COUBU 4-I-piperidinyl)-Ph 3729 4-F COUBU 4-I-piperidinyl)-Ph 3720 4-F COUBU 4-I-piperidinyl)-Ph 3721 4-F COUBU 4-I-piperidinyl)-Ph 3722 4-F COUBU 4-I-piperidinyl)-Ph 3723 4-F COUBU 4-I-piperidinyl)-Ph 3724 4-F COUBU 4-I-piperidinyl)-Ph 3725 4-F COUBU 4-I-piperidinyl)-Ph 3726 4-F COUBU 4-I-piperidinyl)-Ph 3727 4-F COUBU 4-I-Piperidinyl)-Ph 3728 4-F COUBU 4-I-Piperidinyl)-Ph 3729 4-F COUBU 4-I-Piperidinyl)-Ph 3730 4-F COUBU 4-I-PIPERIDIN-Ph 3731 4-F COUBU 4-I-PIPERIDIN-Ph 3733 4-F COUBU 4-I-PIPERIDIN-Ph 3734 4-F COUBU 4-I-PIPERIDIN-Ph 3735 4-F COUBU 4-I-PIPERIDIN-Ph 3736 4-F COUBU 4-I-PIPERIDIN-Ph 3737 4-F COUBU 2-COM-Ph 3737 4-F COUBU 2-COM-Ph 3738 4-F COUBU 2-COM-Ph 3734 4-F COUBU 2-SON-P	3690	4-F	COtBu	3-(2-thienyl)-Ph
3693			COtBu	
3694 4-F COLBU 4-CO2Me-Ph 3695 4-F COLBU 4-CONH2-Ph 3696 4-F COCBU 4-CONHPH-Ph 3697 4-F COLBU 4-CONHPH-Ph 3698 4-F COLBU 4-CONHPH-Ph 3698 4-F COLBU 4-F-Ph 3700 4-F COLBU 4-F-Ph 3700 4-F COLBU 4-CI-Ph 3701 4-F COLBU 4-SCHPH-Ph 3702 4-F COLBU 4-SOZNH2-Ph 3703 4-F COLBU 4-SOZNH2-Ph 3703 4-F COLBU 4-CF3-Ph 3704 4-F COLBU 4-SOZNH2-Ph 3705 4-F COLBU 4-SOZNH2-Ph 3706 4-F COLBU 4-SOZNH2-Ph 3707 4-F COLBU 4-SOZNH2-Ph 3708 4-F COLBU 4-SOZNH-Ph 3709 4-F COLBU 4-CH2OH-Ph 3709 4-F COLBU 4-CH2OH-Ph 3710 4-F COLBU 4-CHCHM-Ph 3711 4-F COLBU 4-CHCHM-Ph 3711 4-F COLBU 4-CHCHM-Ph 3712 4-F COLBU 4-CHCHM-Ph 3713 4-F COLBU 4-CH2OH-Ph 3714 4-F COLBU 4-IP-Ph 3715 4-F COLBU 4-IP-Ph 3716 4-F COLBU 4-IP-Ph 3717 4-F COLBU 4-CH2COZM-Ph 3717 4-F COLBU 4-CH2COZM-Ph 3717 4-F COLBU 4-CH2COZM-Ph 3719 4-F COLBU 4-(1-pyrrolidinyl)-Ph 3719 4-F COLBU 4-(1-pyrrolidinyl)-Ph 3720 4-F COLBU 4-(1-imidazolyl)-Ph 3721 4-F COLBU 4-(1-imidazolyl)-Ph 3722 4-F COLBU 4-(1-imidazolyl)-Ph 3723 4-F COLBU 4-(1-imidazolyl)-Ph 3724 4-F COLBU 4-(2-thiazolyl)-Ph 3725 4-F COLBU 4-(1-pyrazolyl)-Ph 3726 4-F COLBU 4-(1-pyrazolyl)-Ph 3727 4-F COLBU 4-(1-pyrazolyl)-Ph 3728 4-F COLBU 4-(1-pyrazolyl)-Ph 3729 4-F COLBU 4-(1-pyrazolyl)-Ph 3720 4-F COLBU 4-(1-pyrazolyl)-Ph 3721 4-F COLBU 4-(1-pyrazolyl)-Ph 3722 4-F COLBU 4-(1-pyrazolyl)-Ph 3723 4-F COLBU 4-(1-pyrazolyl)-Ph 3724 4-F COLBU 4-(1-pyrazolyl)-Ph 3725 4-F COLBU 4-(1-pyrazolyl)-Ph 3726 4-F COLBU 4-(1-pyrazolyl)-Ph 3727 4-F COLBU 4-(2-thiazolyl)-Ph 3728 4-F COLBU 4-(2-thiazolyl)-Ph 3739 4-F COLBU 4-(2-thiapyl)-Ph 3730 4-F COLBU 2-COM-Ph 3731 4-F COLBU 2-COM-Ph 3733 4-F COLBU 2-CONH2-Ph 3734 4-F COLBU 2-CONH2-Ph 3735 4-F COLBU 2-CONH2-Ph 3736 4-F COLBU 2-CONH2-Ph 3737 4-F COLBU 2-CONH2-Ph 3738 4-F COLBU 2-CONH2-Ph 3739 4-F COLBU 2-CONH2-Ph 3731 4-F COLBU 2-CONH2-Ph 3734 4-F COLBU 2-CONH2-Ph 3734 4-F COLBU 2-CONH2-Ph 3734 4-F COLBU 2-CONH2-Ph 3736 4-F COLBU 2-CONH2-Ph 3737 4-F COLBU 2-CONH2-Ph 3738 4-F COLBU 2-CONH2-Ph 3739 4-F COLBU 2-CONH2-Ph 3741 4-F COLBU 2-SOZNH4-Ph 3741 4-F COLBU 2-SOZNH4-Ph 3742 4-F COLBU 2-SOZNH4-P				<del>                                     </del>
3695 4-F COLBU 4-CONHME-Ph 3696 4-F COLBU 4-CONHME-Ph 3697 4-F COLBU 4-CONHME-Ph 3698 4-F COLBU 4-CONHPh-Ph 3698 4-F COLBU 4-F-Ph 3700 4-F COLBU 4-F-Ph 3700 4-F COLBU 4-F-Ph 3701 4-F COLBU 4-SOZNHZ-Ph 3701 4-F COLBU 4-SOZNHZ-Ph 3702 4-F COLBU 4-SOZNHME-Ph 3703 4-F COLBU 4-CF3-Ph 3704 4-F COLBU 4-CM-Ph 3705 4-F COLBU 4-SOZNHME-Ph 3706 4-F COLBU 4-SOZNHME-Ph 3707 4-F COLBU 4-SOZME-Ph 3708 4-F COLBU 4-SOZME-Ph 3709 4-F COLBU 4-CH2OH-Ph 3710 4-F COLBU 4-CH2OH-Ph 3711 4-F COLBU 4-CH2OH-Ph 3711 4-F COLBU 4-CH2OH-Ph 3712 4-F COLBU 4-EPh 3713 4-F COLBU 4-EPh 3714 4-F COLBU 4-EPh 3715 4-F COLBU 4-EPh 3716 4-F COLBU 4-EPh 3717 4-F COLBU 4-CH2OH-Ph 3719 4-F COLBU 4-CH2OH-Ph 3719 4-F COLBU 4-CH2OH-Ph 3719 4-F COLBU 4-CH2OH-Ph 3711 4-F COLBU 4-EPPh 3715 4-F COLBU 4-EPH 3716 4-F COLBU 4-EPPh 3717 4-F COLBU 4-CH2COZME-Ph 3718 4-F COLBU 4-CH2COZME-Ph 3719 4-F COLBU 4-CH2COZME-Ph 3719 4-F COLBU 4-CH2COZME-Ph 3719 4-F COLBU 4-CH2COZME-Ph 3720 4-F COLBU 4-(1-pyrrolidinyl)-Ph 3721 4-F COLBU 4-(1-pyracolyl)-Ph 3722 4-F COLBU 4-(1-pyracolyl)-Ph 3723 4-F COLBU 4-(2-tmidazolyl)-Ph 3724 4-F COLBU 4-(2-tmidazolyl)-Ph 3725 4-F COLBU 4-(2-tmidazolyl)-Ph 3726 4-F COLBU 4-(2-tmidazolyl)-Ph 3727 4-F COLBU 4-(2-tmidazolyl)-Ph 3728 4-F COLBU 4-(2-tmiacolyl)-Ph 3729 4-F COLBU 4-(2-tmiacolyl)-Ph 3720 4-F COLBU 4-(2-tmiacolyl)-Ph 3721 4-F COLBU 4-(2-tmiacolyl)-Ph 3722 4-F COLBU 4-(2-tmiacolyl)-Ph 3723 4-F COLBU 4-(2-tmiacolyl)-Ph 3724 4-F COLBU 4-(2-tmiacolyl)-Ph 3725 4-F COLBU 4-(2-tmiacolyl)-Ph 3726 4-F COLBU 4-(2-tmiacolyl)-Ph 3727 4-F COLBU 4-(2-tmiacolyl)-Ph 3728 4-F COLBU 4-(2-tmiacolyl)-Ph 3739 4-F COLBU 4-(2-tmiacolyl)-Ph 3730 4-F COLBU 4-(2-tmiacolyl)-Ph 3731 4-F COLBU 4-(2-tmiacolyl)-Ph 3732 4-F COLBU 4-(2-tmiacolyl)-Ph 3733 4-F COLBU 4-(2-tmiacolyl)-Ph 3734 4-F COLBU 4-(2-tmiacolyl)-Ph 3739 4-F COLBU 2-COMP-Ph 3731 4-F COLBU 2-COMP-Ph 3731 4-F COLBU 2-COMP-Ph 3733 4-F COLBU 2-COMP-Ph 3734 4-F COLBU 2-COMP-Ph 3737 4-F COLBU 2-COMP-Ph 3738 4-F COLBU 2-COMP-Ph 3739 4-F COLBU 2-COMP-Ph 3740 4-F COLBU 2-SOZMHME-Ph 3740 4-F COLBU 2-SOZMHP-Ph			COtBu	<del> </del>
3696			COtBu	
3697				<del>                                     </del>
3698				4-CONHMe-Ph
3699 4-F COLBU 4-C1-Ph 3700 4-F COTBU 4-Br-Ph 3701 4-F COTBU 4-SO2NH2-Ph 3702 4-F COTBU 4-SO2NH2-Ph 3703 4-F COTBU 4-SO2NHME-Ph 3703 4-F COTBU 4-C73-Ph 3704 4-F COTBU 4-C80-Ph 3705 4-F COTBU 4-SME-Ph 3706 4-F COTBU 4-SME-Ph 3707 4-F COTBU 4-SME-Ph 3708 4-F COTBU 4-SO2ME-Ph 3708 4-F COTBU 4-CH2OH-Ph 3709 4-F COTBU 4-CH2OH-Ph 3710 4-F COTBU 4-CH2OH-Ph 3711 4-F COTBU 4-CH2OH-Ph 3711 4-F COTBU 4-CH2OH-Ph 3712 4-F COTBU 4-ET-Ph 3713 4-F COTBU 4-ET-Ph 3714 4-F COTBU 4-ET-Ph 3715 4-F COTBU 4-CH2COZME-Ph 3716 4-F COTBU 4-CH2COZME-Ph 3717 4-F COTBU 4-CH2COZME-Ph 3718 4-F COTBU 4-C1-pyrrolidinyl)-Ph 3719 4-F COTBU 4-(2-imidazolyl)-Ph 3720 4-F COTBU 4-(2-imidazolyl)-Ph 3721 4-F COTBU 4-(2-imidazolyl)-Ph 3722 4-F COTBU 4-(2-imidazolyl)-Ph 3723 4-F COTBU 4-(2-imidazolyl)-Ph 3724 4-F COTBU 4-(1-pyrazolyl)-Ph 3725 4-F COTBU 4-(1-pyrazolyl)-Ph 3726 4-F COTBU 4-(1-pyrazolyl)-Ph 3727 4-F COTBU 4-(1-pyrazolyl)-Ph 3728 4-F COTBU 4-(2-pyridyl)-Ph 3729 4-F COTBU 4-(2-pyridyl)-Ph 3729 4-F COTBU 4-(2-pyridyl)-Ph 3729 4-F COTBU 4-(2-pyridyl)-Ph 3729 4-F COTBU 4-(2-pyridyl)-Ph 3729 4-F COTBU 4-(2-pyridyl)-Ph 3729 4-F COTBU 4-(2-pyridyl)-Ph 3729 4-F COTBU 4-(2-pyridyl)-Ph 3730 4-F COTBU 2-COM-Ph 3731 4-F COTBU 2-COM-Ph 3731 4-F COTBU 2-COM-Ph 3733 4-F COTBU 2-COM-Ph 3734 4-F COTBU 2-COM-Ph 3735 4-F COTBU 2-COM-Ph 3737 4-F COTBU 2-COM-Ph 3738 4-F COTBU 2-COM-Ph 3739 4-F COTBU 2-COM-Ph 3739 4-F COTBU 2-COM-Ph 3739 4-F COTBU 2-COM-Ph 3731 4-F COTBU 2-COM-Ph 3731 4-F COTBU 2-COM-Ph 3731 4-F COTBU 2-COM-Ph 3731 4-F COTBU 2-COM-Ph 3731 4-F COTBU 2-COM-Ph 3731 4-F COTBU 2-COM-Ph 3731 4-F COTBU 2-COM-Ph 3734 4-F COTBU 2-COM-Ph 3734 4-F COTBU 2-COM-Ph 3734 4-F COTBU 2-COM-Ph 3734 4-F COTBU 2-SOZNHM-Ph 3744 4-F COTBU 2-SOZNHM-Ph 3744 4-F COTBU 2-SOZNHM-Ph				
3700   4-F   COtBu   4-Br-Ph   3701   4-F   COtBu   4-SO2NHM2-Ph   3702   4-F   COtBu   4-SO2NHM2-Ph   3703   4-F   COtBu   4-CF3-Ph   3704   4-F   COtBu   4-CM2-Ph   3706   4-F   COtBu   4-SM2-Ph   3706   4-F   COtBu   4-SM2-Ph   3707   4-F   COtBu   4-SOM2-Ph   3707   4-F   COtBu   4-SOM2-Ph   3708   4-F   COtBu   4-CH2OH-Ph   3709   4-F   COtBu   4-CH0HM2-Ph   3710   4-F   COtBu   4-CH0HM2-Ph   3711   4-F   COtBu   4-CH0HM2-Ph   3712   4-F   COtBu   4-CH0HM2-Ph   3713   4-F   COtBu   4-Et-Ph   3714   4-F   COtBu   4-Et-Ph   3715   4-F   COtBu   4-ET-Ph   3716   4-F   COtBu   4-CH2CO2M2-Ph   3717   4-F   COtBu   4-CH2CO2M2-Ph   3718   4-F   COtBu   4-CH2CO2M2-Ph   3719   4-F   COtBu   4-CH2CO2M2-Ph   3719   4-F   COtBu   4-CH2CO2M2-Ph   3719   4-F   COtBu   4-CH2CO2M2-Ph   3720   4-F   COtBu   4-CH2CO2M2-Ph   3721   4-F   COtBu   4-CH2CO2M2-Ph   3722   4-F   COtBu   4-CH2CO2M2-Ph   3722   4-F   COtBu   4-CH2CO2M2-Ph   3723   4-F   COtBu   4-CH2CO2M2-Ph   3724   4-F   COtBu   4-CH2CO2M2-Ph   3725   4-F   COtBu   4-CH2CO2M2-Ph   3726   4-F   COtBu   4-CH2CO2M2-Ph   3723   4-F   COtBu   4-CH2CO2M2-Ph   3723   4-F   COtBu   4-CH2CO2M2-Ph   3724   4-F   COtBu   4-CH2CO2M2-Ph   3725   4-F   COtBu   4-CH2CO2M2-Ph   3726   4-F   COtBu   4-CH2CO2M2-Ph   3727   4-F   COtBu   4-CH2CO2M2-Ph   3728   4-F   COtBu   4-CH2CO2M2-Ph   3729   4-F   COtBu   4-CH2CO2M2-Ph   3729   4-F   COtBu   4-CH2CO2M2-Ph   3731   4-F   COtBu   4-CH2CD2M2-Ph   3732   4-F   COtBu   4-CH2CD2M2-Ph   3733   4-F   COtBu   4-CH2CD2M2-Ph   3734   4-F   COtBu   2-CN-Ph   3735   4-F   COtBu   2-CN-Ph   3736   4-F   COtBu   2-CN-Ph   3737   4-F   COtBu   2-CN-Ph   3738   4-F   COtBu   2-CN-Ph   3738   4-F   COtBu   2-CN-Ph   3739   4-F   COtBu   2-CN-Ph   3739   4-F   COtBu   2-CN-Ph   3739   4-F   COtBu   2-CN-Ph   3739   4-F   COtBu   2-SO2NHM2-Ph   3739   4-F   COtBu   2-SO2NHM2-Ph   3734   4-F   COtBu   2-SO2NHM2-Ph   3744   4-F   COtBu   2-SO2NHM2-Ph   3744   4-F   COtBu   2-SO2NHM2-Ph   3744   4-F   COtBu   2-SO2NHP2-Ph   3744   4-F   COtBu   2-				<del> </del>
3701 4-F COLBU 4-SOZNHZ-Ph 3702 4-F COLBU 4-SOZNHMP-Ph 3703 4-F COLBU 4-CST-Ph 3704 4-F COLBU 4-CST-Ph 3705 4-F COLBU 4-CM-Ph 3706 4-F COLBU 4-SME-Ph 3707 4-F COLBU 4-SME-Ph 3707 4-F COLBU 4-SOZME-Ph 3708 4-F COLBU 4-SOZME-Ph 3708 4-F COLBU 4-CHOP-Ph 3709 4-F COLBU 4-CHOP-Ph 3710 4-F COLBU 4-CHOP-Ph 3711 4-F COLBU 4-CHOME-Ph 3711 4-F COLBU 4-CHOME-Ph 3712 4-F COLBU 4-EP-Ph 3713 4-F COLBU 4-EP-Ph 3714 4-F COLBU 4-EP-Ph 3716 4-F COLBU 4-CHOZOZME-Ph 3717 4-F COLBU 4-CHOZOZME-Ph 3718 4-F COLBU 4-CHOZOZME-Ph 3719 4-F COLBU 4-(1-piperidinyl)-Ph 3719 4-F COLBU 4-(1-piperidinyl)-Ph 3719 4-F COLBU 4-(1-piperidinyl)-Ph 3720 4-F COLBU 4-(1-piperidinyl)-Ph 3721 4-F COLBU 4-(1-piperidinyl)-Ph 3722 4-F COLBU 4-(1-piperidinyl)-Ph 3723 4-F COLBU 4-(1-piperidinyl)-Ph 3724 4-F COLBU 4-(1-piperidinyl)-Ph 3725 4-F COLBU 4-(2-thiazolyl)-Ph 3726 4-F COLBU 4-(2-thiazolyl)-Ph 3727 4-F COLBU 4-(2-thiazolyl)-Ph 3728 4-F COLBU 4-(2-pyridyl)-Ph 3729 4-F COLBU 4-(2-pyridyl)-Ph 3729 4-F COLBU 4-(2-thiapyl)-Ph 3730 4-F COLBU 4-(2-thiapyl)-Ph 3731 4-F COLBU 4-(2-thiapyl)-Ph 3732 4-F COLBU 4-(2-thiapyl)-Ph 3733 4-F COLBU 2-CON-Ph 3731 4-F COLBU 2-CON-Ph 3733 4-F COLBU 2-CON-Ph 3734 4-F COLBU 2-CON-Ph 3735 4-F COLBU 2-CON-Ph 3736 4-F COLBU 2-CON-Ph 3737 4-F COLBU 2-CON-Ph 3738 4-F COLBU 2-SOZNHZ-Ph 3739 4-F COLBU 2-SOZNHZ-Ph 3739 4-F COLBU 2-SOZNHZ-Ph 3739 4-F COLBU 2-SOZNHZ-Ph 3739 4-F COLBU 2-SOZNHZ-Ph 3739 4-F COLBU 2-SOZNHZ-Ph 3739 4-F COLBU 2-SOZNHZ-Ph 3739 4-F COLBU 2-SOZNHZ-Ph 3739 4-F COLBU 2-SOZNHZ-Ph 3734 4-F COLBU 2-SOZNHZ-Ph 3734 4-F COLBU 2-SOZNHZ-Ph				
3702   4-F				<del></del>
3703 4-F COLBU 4-CF3-Ph 3704 4-F COLBU 4-OME-Ph 3705 4-F COLBU 4-SME-Ph 3706 4-F COLBU 4-SME-Ph 3707 4-F COLBU 4-SOME-Ph 3707 4-F COLBU 4-SOZME-Ph 3708 4-F COLBU 4-SOZME-Ph 3708 4-F COLBU 4-CH2OH-Ph 3710 4-F COLBU 4-CH2OH-Ph 3711 4-F COLBU 4-CH2OH-Ph 3711 4-F COLBU 4-CH(Me)2-Ph 3712 4-F COLBU 4-CH(Me)2-Ph 3713 4-F COLBU 4-EL-Ph 3714 4-F COLBU 4-EL-Ph 3715 4-F COLBU 4-EL-Ph 3716 4-F COLBU 4-CH2OZME-Ph 3717 4-F COLBU 4-CH2CME-Ph 3718 4-F COLBU 4-CH2COZME-Ph 3719 4-F COLBU 4-(1-piperidiny1)-Ph 3719 4-F COLBU 4-(1-piperidiny1)-Ph 3720 4-F COLBU 4-(2-tmidazoly1)-Ph 3721 4-F COLBU 4-(2-tmidazoly1)-Ph 3722 4-F COLBU 4-(2-tmidazoly1)-Ph 3723 4-F COLBU 4-(1-piperidiny1)-Ph 3724 4-F COLBU 4-(2-tmidazoly1)-Ph 3725 4-F COLBU 4-(1-piperidiny1)-Ph 3726 4-F COLBU 4-(1-piperidiny1)-Ph 3727 4-F COLBU 4-(2-tmidazoly1)-Ph 3728 4-F COLBU 4-(2-tmidazoly1)-Ph 3729 4-F COLBU 4-(1-piperidiny1)-Ph 3720 4-F COLBU 4-(2-tmidazoly1)-Ph 3721 4-F COLBU 4-(2-tmidazoly1)-Ph 3722 4-F COLBU 4-(2-tmidazoly1)-Ph 3723 4-F COLBU 4-(1-piperidiny1)-Ph 3724 4-F COLBU 4-(2-tmidazoly1)-Ph 3725 4-F COLBU 4-(1-piperidiny1)-Ph 3726 4-F COLBU 4-(2-tmidazoly1)-Ph 3727 4-F COLBU 4-(2-tmidazoly1)-Ph 3728 4-F COLBU 4-(2-tmidazoly1)-Ph 3729 4-F COLBU 4-(2-tmidazoly1)-Ph 3730 4-F COLBU 4-(2-tmidazoly1)-Ph 3731 4-F COLBU 4-(2-tmidazoly1)-Ph 3732 4-F COLBU 4-(2-tmidazoly1)-Ph 3733 4-F COLBU 2-COME-Ph 3733 4-F COLBU 2-COME-Ph 3733 4-F COLBU 2-CONHME-Ph 3734 4-F COLBU 2-CONHME-Ph 3735 4-F COLBU 2-CONHME-Ph 3736 4-F COLBU 2-CONHME-Ph 3737 4-F COLBU 2-CONHME-Ph 3738 4-F COLBU 2-CONHME-Ph 3739 4-F COLBU 2-SOZMH-Ph 3730 4-F COLBU 2-SOZMH-Ph 3740 4-F COLBU 2-SOZMH-Ph 3740 4-F COLBU 2-SOZMH-Ph 3741 4-F COLBU 2-SOZMH-Ph				
3704   4-F   COtBu   4-OMe-Ph   3705   4-F   COtBu   4-SMe-Ph   3706   4-F   COtBu   4-SMe-Ph   3707   4-F   COtBu   4-SOZMe-Ph   3708   4-F   COtBu   4-OH-Ph   3708   4-F   COtBu   4-OH-Ph   3709   4-F   COtBu   4-CH2OH-Ph   3710   4-F   COtBu   4-CHOHMe-Ph   3711   4-F   COtBu   4-CH(Me) 2-Ph   3712   4-F   COtBu   4-Et-Ph   3713   4-F   COtBu   4-Et-Ph   3714   4-F   COtBu   4-Et-Ph   3715   4-F   COtBu   4-CH2COZMe-Ph   3716   4-F   COtBu   4-CH2COZMe-Ph   3717   4-F   COtBu   4-CH2COZMe-Ph   3718   4-F   COtBu   4-(1-piperidinyl)-Ph   3718   4-F   COtBu   4-(1-piperidinyl)-Ph   3720   4-F   COtBu   4-(1-midazolyl)-Ph   3721   4-F   COtBu   4-(2-midazolyl)-Ph   3722   4-F   COtBu   4-(2-midazolyl)-Ph   3723   4-F   COtBu   4-(1-pyrazolyl)-Ph   3724   4-F   COtBu   4-(1-pyrazolyl)-Ph   3725   4-F   COtBu   4-(1-me-5-tetrazolyl)-Ph   3726   4-F   COtBu   4-(2-midazolyl)-Ph   3727   4-F   COtBu   4-(2-midazolyl)-Ph   3728   4-F   COtBu   4-(2-midazolyl)-Ph   3729   4-F   COtBu   4-(2-midazolyl)-Ph   3729   4-F   COtBu   4-(2-midazolyl)-Ph   3720   4-F   COtBu   4-(2-midazolyl)-Ph   3721   4-F   COtBu   4-(2-midazolyl)-Ph   3724   4-F   COtBu   4-(2-midazolyl)-Ph   3725   4-F   COtBu   4-(2-midazolyl)-Ph   3726   4-F   COtBu   4-(2-midazolyl)-Ph   3727   4-F   COtBu   4-(2-midazolyl)-Ph   3728   4-F   COtBu   4-(2-midazolyl)-Ph   3729   4-F   COtBu   4-(2-midazolyl)-Ph   3730   4-F   COtBu   2-COMe-Ph   3731   4-F   COtBu   2-COMe-Ph   3731   4-F   COtBu   2-COMe-Ph   3734   4-F   COtBu   2-COMe-Ph   3735   4-F   COtBu   2-COMe-Ph   3736   4-F   COtBu   2-COMe-Ph   3737   4-F   COtBu   2-COMe-Ph   3738   4-F   COtBu   2-COMe-Ph   3736   4-F   COtBu   2-COMe-Ph   3737   4-F   COtBu   2-SOZMH2-Ph   3738   4-F   COtBu   2-SOZMH2-Ph   3739   4-F   COtBu   2-SOZMH2-Ph   3739   4-F   COtBu   2-SOZMH2-Ph   3739   4-F   COtBu   2-SOZMH2-Ph   3739   4-F   COtBu   2-SOZMH2-Ph   3740   4-F   COtBu   2-SOZMH2-Ph   3740   4-F   COtBu   2-SOZMH2-Ph   3740   4-F   COtBu   2-SOZMH2-Ph   3741   4-F   COtBu   2-SOZME-Ph   3742				<del></del>
3705 4-F COTBU 4-SME-Ph 3706 4-F COTBU 4-SOME-Ph 3707 4-F COTBU 4-SOME-Ph 3708 4-F COTBU 4-SOME-Ph 3708 4-F COTBU 4-OH-Ph 3709 4-F COTBU 4-CHOME-Ph 3710 4-F COTBU 4-CHOME-Ph 3711 4-F COTBU 4-CHOME-Ph 3712 4-F COTBU 4-CHOME-Ph 3713 4-F COTBU 4-ME-Ph 3714 4-F COTBU 4-ME-PH 3715 4-F COTBU 4-EP-PH 3716 4-F COTBU 4-CHOME-PH 3717 4-F COTBU 4-CHOME-PH 3718 4-F COTBU 4-CHOME-PH 3719 4-F COTBU 4-CHOME-PH 3719 4-F COTBU 4-CHOME-PH 3720 4-F COTBU 4-(1-piperidinyl)-Ph 3721 4-F COTBU 4-(1-piperidinyl)-Ph 3722 4-F COTBU 4-(2-imidazolyl)-Ph 3723 4-F COTBU 4-(2-thiazolyl)-Ph 3724 4-F COTBU 4-(1-pyrazolyl)-Ph 3725 4-F COTBU 4-(1-pyrazolyl)-Ph 3726 4-F COTBU 4-(1-pyrazolyl)-Ph 3727 4-F COTBU 4-(1-pyrazolyl)-Ph 3728 4-F COTBU 4-(1-pyrazolyl)-Ph 3729 4-F COTBU 4-(1-pyrazolyl)-Ph 3726 4-F COTBU 4-(1-pyrazolyl)-Ph 3727 4-F COTBU 4-(1-pyrazolyl)-Ph 3728 4-F COTBU 4-(1-pyrazolyl)-Ph 3729 4-F COTBU 4-(2-thiazolyl)-Ph 3720 4-F COTBU 4-(1-pyrazolyl)-Ph 3721 4-F COTBU 4-(1-pyrazolyl)-Ph 3722 4-F COTBU 4-(1-pyrazolyl)-Ph 3723 4-F COTBU 4-(1-pyrazolyl)-Ph 3724 4-F COTBU 4-(1-pyrazolyl)-Ph 3725 4-F COTBU 4-(1-pyrazolyl)-Ph 3726 4-F COTBU 4-(1-pyrazolyl)-Ph 3727 4-F COTBU 4-(1-pyrazolyl)-Ph 3728 4-F COTBU 4-(1-pyrazolyl)-Ph 3730 4-F COTBU 4-(2-pyridyl)-Ph 3731 4-F COTBU 2-COME-Ph 3733 4-F COTBU 2-COME-Ph 3733 4-F COTBU 2-COME-Ph 3733 4-F COTBU 2-COME-Ph 3734 4-F COTBU 2-COMHE-Ph 3737 4-F COTBU 2-COMHE-Ph 3738 4-F COTBU 2-CONHE-Ph 3739 4-F COTBU 2-SOZNHZ-Ph 3739 4-F COTBU 2-SOZNHZ-Ph 3730 4-F COTBU 2-SOZNHZ-Ph 3731 4-F COTBU 2-SOZNHZ-Ph 3731 4-F COTBU 2-SOZNHZ-Ph 3734 4-F COTBU 2-SOZNHZ-Ph 3737 4-F COTBU 2-SOZNHZ-Ph 3738 4-F COTBU 2-SOZNHZ-Ph 3739 4-F COTBU 2-SOZNHZ-Ph 3730 4-F COTBU 2-SOZNHZ-Ph 3731 4-F COTBU 2-SOZNHZ-Ph				<del></del>
3706 4-F COTBU 4-SOME-Ph 3707 4-F COTBU 4-SOZME-Ph 3708 4-F COTBU 4-OH-Ph 3708 4-F COTBU 4-OH-Ph 3709 4-F COTBU 4-CH2OH-Ph 3710 4-F COTBU 4-CH0HME-Ph 3711 4-F COTBU 4-CH0HME-Ph 3711 4-F COTBU 4-CH0HME-Ph 3712 4-F COTBU 4-E-Ph 3713 4-F COTBU 4-E-Ph 3714 4-F COTBU 4-E-Ph 3715 4-F COTBU 4-E-Ph 3716 4-F COTBU 4-CH2COZME-Ph 3717 4-F COTBU 4-CH2COZME-Ph 3718 4-F COTBU 4-(1-piperidinyl)-Ph 3719 4-F COTBU 4-(1-piperidinyl)-Ph 3719 4-F COTBU 4-(1-imidazolyl)-Ph 3720 4-F COTBU 4-(1-imidazolyl)-Ph 3721 4-F COTBU 4-(1-imidazolyl)-Ph 3722 4-F COTBU 4-(1-piperidinyl)-Ph 3723 4-F COTBU 4-(1-piperidinyl)-Ph 3724 4-F COTBU 4-(1-imidazolyl)-Ph 3725 4-F COTBU 4-(1-piperidinyl)-Ph 3726 4-F COTBU 4-(1-piperidinyl)-Ph 3727 4-F COTBU 4-(1-piperidinyl)-Ph 3728 4-F COTBU 4-(1-piperidinyl)-Ph 3729 4-F COTBU 4-(1-piperidinyl)-Ph 3726 4-F COTBU 4-(1-piperidinyl)-Ph 3727 4-F COTBU 4-(1-piperidinyl)-Ph 3728 4-F COTBU 4-(1-piperidinyl)-Ph 3729 4-F COTBU 4-(1-piperidinyl)-Ph 3729 4-F COTBU 4-(1-piperidinyl)-Ph 3729 4-F COTBU 4-(1-piperidinyl)-Ph 3729 4-F COTBU 4-(1-piperidinyl)-Ph 3730 4-F COTBU 4-(1-piperidinyl)-Ph 3731 4-F COTBU 4-(1-piperidinyl)-Ph 3732 4-F COTBU 4-(1-piperidinyl)-Ph 3733 4-F COTBU 4-(1-piperidinyl)-Ph 3734 4-F COTBU 4-(1-piperidinyl)-Ph 3735 4-F COTBU 4-(1-piperidinyl)-Ph 3736 4-F COTBU 4-(1-piperidinyl)-Ph 3737 4-F COTBU 2-CN-Ph 3733 4-F COTBU 2-CN-Ph 3734 4-F COTBU 2-COM-Ph 3737 4-F COTBU 2-COM-Ph 3737 4-F COTBU 2-COM-Ph 3738 4-F COTBU 2-CONHE-Ph 3739 4-F COTBU 2-SOZNH2-Ph 3740 4-F COTBU 2-SOZNH2-Ph 3741 4-F COTBU 2-SOZNH2-Ph 3742 4-F COTBU 2-SOZNH2-Ph 3743 4-F COTBU 2-SOZNH2-Ph			COtBu	
3707   4-F				
3708   4-F   COtBu   4-OH-Ph   3709   4-F   COtBu   4-CH2OH-Ph   3710   4-F   COtBu   4-CHOHMe-Ph   3711   4-F   COtBu   4-CHOHMe-Ph   3711   4-F   COtBu   4-CHOHMe-Ph   3712   4-F   COtBu   4-Et-Ph   3713   4-F   COtBu   4-Et-Ph   3714   4-F   COtBu   4-Et-Ph   3715   4-F   COtBu   4-EBu-Ph   3716   4-F   COtBu   4-CH2CO2Me-Ph   3717   4-F   COtBu   4-(1-piperidinyl)-Ph   3718   4-F   COtBu   4-(1-piperidinyl)-Ph   3718   4-F   COtBu   4-(1-piperidinyl)-Ph   3719   4-F   COtBu   4-(1-imidazolyl)-Ph   3720   4-F   COtBu   4-(1-imidazolyl)-Ph   3721   4-F   COtBu   4-(2-thiazolyl)-Ph   3722   4-F   COtBu   4-(1-pyrazolyl)-Ph   3723   4-F   COtBu   4-(1-pyrazolyl)-Ph   3724   4-F   COtBu   4-(1-me-5-tetrazolyl)-Ph   3725   4-F   COtBu   4-(1-me-5-tetrazolyl)-Ph   3726   4-F   COtBu   4-(2-pyridyl)-Ph   3727   4-F   COtBu   4-(2-thianyl)-Ph   3728   4-F   COtBu   4-(2-thianyl)-Ph   3729   4-F   COtBu   4-(2-thianyl)-Ph   3729   4-F   COtBu   4-(2-thianyl)-Ph   3730   4-F   COtBu   2-CN-Ph   3731   4-F   COtBu   2-CN-Ph   3732   4-F   COtBu   2-CN-Ph   3733   4-F   COtBu   2-CN-Ph   3734   4-F   COtBu   2-COMe-Ph   3735   4-F   COtBu   2-COMe-Ph   3736   4-F   COtBu   2-CONH2-Ph   3737   4-F   COtBu   2-F-Ph   3736   4-F   COtBu   2-SONH2-Ph   3737   4-F   COtBu   2-SONH2-Ph   3738   4-F   COtBu   2-SONH2-Ph   3739   4-F   COtBu   2-SONH2-Ph   3740   4-F   COtBu   2-SONH2-Ph   3740   4-F   COtBu   2-SONH2-Ph   3741   4-F   COtBu   2-SONH2-Ph   3742   4-F   COtBu   2-SONM2-Ph   3742   4-F   COtBu   2-SONM2-Ph   3744   4-F   COtBu   2-SOM2-Ph   3744   4-F   COtBu   2-SOM2-Ph   3742   4-F   COtBu   2-SOM2-Ph   3742   4-F   COtBu   2-SOM2-Ph   3742   4-F   COtBu   2-SOM2-Ph   3742			COtBu	
3709 4-F COTBU 4-CH2OH-Ph 3710 4-F COTBU 4-CHOHME-Ph 3711 4-F COTBU 4-COH(Me) 2-Ph 3711 4-F COTBU 4-COH(Me) 2-Ph 3712 4-F COTBU 4-ME-Ph 3713 4-F COTBU 4-ME-Ph 3714 4-F COTBU 4-ET-Ph 3715 4-F COTBU 4-ET-Ph 3716 4-F COTBU 4-CH2CO2ME-Ph 3717 4-F COTBU 4-CH2CO2ME-Ph 3718 4-F COTBU 4-(1-piperidiny1)-Ph 3718 4-F COTBU 4-(1-piperidiny1)-Ph 3719 4-F COTBU 4-(1-imidazoly1)-Ph 3720 4-F COTBU 4-(2-imidazoly1)-Ph 3721 4-F COTBU 4-(2-imidazoly1)-Ph 3722 4-F COTBU 4-(1-pyrazoly1)-Ph 3723 4-F COTBU 4-(1-pyrazoly1)-Ph 3724 4-F COTBU 4-(1-pyrazoly1)-Ph 3725 4-F COTBU 4-(1-ME-5-tetrazoly1)-Ph 3726 4-F COTBU 4-(1-ME-5-tetrazoly1)-Ph 3727 4-F COTBU 4-(2-furany1)-Ph 3728 4-F COTBU 4-(2-furany1)-Ph 3729 4-F COTBU 4-(2-furany1)-Ph 3730 4-F COTBU 2-COM-Ph 3731 4-F COTBU 2-COM-Ph 3731 4-F COTBU 2-COM-Ph 3733 4-F COTBU 2-COM-Ph 3734 4-F COTBU 2-COMHME-Ph 3735 4-F COTBU 2-CONHME-Ph 3736 4-F COTBU 2-CONHME-Ph 3737 4-F COTBU 2-SOZMHME-Ph 3738 4-F COTBU 2-SOZNHME-Ph 3739 4-F COTBU 2-SOZNHME-Ph 3739 4-F COTBU 2-SOZNHME-Ph 3739 4-F COTBU 2-SOZNHME-Ph 3739 4-F COTBU 2-SOZNHME-Ph 3739 4-F COTBU 2-SOZNHME-Ph 3739 4-F COTBU 2-SOZNHME-Ph 3734 4-F COTBU 2-SOZNHME-Ph 3734 4-F COTBU 2-SOZNHME-Ph 3734 4-F COTBU 2-SOZNHME-Ph 3734 4-F COTBU 2-SOZNHME-Ph 3734 4-F COTBU 2-SOZNHME-Ph 3734 4-F COTBU 2-SOZNHME-Ph 3734 4-F COTBU 2-SOZNHME-Ph			<del></del>	
3710   4-F   COTBU   4-CHOHME-Ph   3711   4-F   COTBU   4-COH (Me) 2-Ph   3712   4-F   COTBU   4-Me-Ph   3713   4-F   COTBU   4-Et-Ph   3714   4-F   COTBU   4-Et-Ph   3715   4-F   COTBU   4-ET-Ph   3716   4-F   COTBU   4-ET-Ph   3716   4-F   COTBU   4-CH2CO2ME-Ph   3717   4-F   COTBU   4-(1-piperidinyl)-Ph   3718   4-F   COTBU   4-(1-piperidinyl)-Ph   3719   4-F   COTBU   4-(1-pimidazolyl)-Ph   3720   4-F   COTBU   4-(1-imidazolyl)-Ph   3721   4-F   COTBU   4-(2-thiazolyl)-Ph   3722   4-F   COTBU   4-(3-pyrazolyl)-Ph   3723   4-F   COTBU   4-(1-pyrazolyl)-Ph   3724   4-F   COTBU   4-(5-Me-1-tetrazolyl)-Ph   3725   4-F   COTBU   4-(2-pyridyl)-Ph   3725   4-F   COTBU   4-(2-pyridyl)-Ph   3726   4-F   COTBU   4-(2-pyridyl)-Ph   3728   4-F   COTBU   4-(2-thianyl)-Ph   3728   4-F   COTBU   4-(2-thianyl)-Ph   3729   4-F   COTBU   2-CN-Ph   3730   4-F   COTBU   2-CN-Ph   3731   4-F   COTBU   2-COME-Ph   3732   4-F   COTBU   2-COME-Ph   3733   4-F   COTBU   2-COMH2-Ph   3734   4-F   COTBU   2-CONHME-Ph   3735   4-F   COTBU   2-CONHME-Ph   3736   4-F   COTBU   2-SOZNHZ-Ph   3737   4-F   COTBU   2-SOZNHZ-Ph   3738   4-F   COTBU   2-SOZNHZ-Ph   3739   4-F   COTBU   2-SOZNHZ-Ph   3734   4-F   COTBU   2-SOZNHZ-Ph   3744   4-F   COTBU   2-SOZME-Ph   3744   4-F   COTBU   2-SOZME-Ph   3744   4-F   COTBU   2-SOZME-Ph   3744   4-F   COTBU				
3711   4-F   COtBu			COtBu	4-CH2OH-Ph
3712   4-F   COtBu			COtBu	
3713   4-F   COtBu   4-Et-Ph   3714   4-F   COtBu   4-iPr-Ph   3715   4-F   COtBu   4-tBu-Ph   3716   4-F   COtBu   4-CH2CO2Me-Ph   3717   4-F   COtBu   4-(1-piperidiny1)-Ph   3718   4-F   COtBu   4-(1-piperidiny1)-Ph   3718   4-F   COtBu   4-(1-piperidiny1)-Ph   3719   4-F   COtBu   4-(2-imidazoly1)-Ph   3720   4-F   COtBu   4-(2-imidazoly1)-Ph   3721   4-F   COtBu   4-(2-thiazoly1)-Ph   3722   4-F   COtBu   4-(3-pyrazoly1)-Ph   3723   4-F   COtBu   4-(1-pyrazoly1)-Ph   3724   4-F   COtBu   4-(1-pyrazoly1)-Ph   3725   4-F   COtBu   4-(1-Me-5-tetrazoly1)-Ph   3725   4-F   COtBu   4-(1-Me-5-tetrazoly1)-Ph   3726   4-F   COtBu   4-(2-pyridy1)-Ph   3727   4-F   COtBu   4-(2-thieny1)-Ph   3728   4-F   COtBu   4-(2-thieny1)-Ph   3729   4-F   COtBu   4-(2-furany1)-Ph   3730   4-F   COtBu   2-CN-Ph   3731   4-F   COtBu   2-COMe-Ph   3731   4-F   COtBu   2-COMe-Ph   3732   4-F   COtBu   2-COMe-Ph   3733   4-F   COtBu   2-COMHe-Ph   3734   4-F   COtBu   2-CONHe-Ph   3735   4-F   COtBu   2-F-Ph   3736   4-F   COtBu   2-SO2NHe-Ph   3737   4-F   COtBu   2-SO2NHe-Ph   3738   4-F   COtBu   2-SO2NHe-Ph   3738   4-F   COtBu   2-SO2NHe-Ph   3739   4-F   COtBu   2-SO2NHe-Ph   3739   4-F   COtBu   2-SO2NHe-Ph   3734   4-F   COtBu   2-SO2NHe-Ph   3744   4-F   COtBu   2-SO2NHe-Ph   3744   4-F   COtBu   2-SOMe-Ph   3744   4-F   COtBu   2-SOMe-Ph   3743   4-F   COtBu   2-SOMe-Ph   3744   4-F   COtBu   2-SOM				
3714   4-F   COtBu   4-iPr-Ph   3715   4-F   COtBu   4-tBu-Ph   3716   4-F   COtBu   4-CH2CO2Me-Ph   3717   4-F   COtBu   4-(1-piperidinyl)-Ph   3718   4-F   COtBu   4-(1-piperidinyl)-Ph   3719   4-F   COtBu   4-(2-imidazolyl)-Ph   3720   4-F   COtBu   4-(2-imidazolyl)-Ph   3721   4-F   COtBu   4-(2-thiazolyl)-Ph   3722   4-F   COtBu   4-(3-pyrazolyl)-Ph   3723   4-F   COtBu   4-(3-pyrazolyl)-Ph   3723   4-F   COtBu   4-(1-pyrazolyl)-Ph   3724   4-F   COtBu   4-(5-Me-1-tetrazolyl)-Ph   3725   4-F   COtBu   4-(1-Me-5-tetrazolyl)-Ph   3726   4-F   COtBu   4-(2-pyridyl)-Ph   3727   4-F   COtBu   4-(2-furanyl)-Ph   3728   4-F   COtBu   4-(2-furanyl)-Ph   3729   4-F   COtBu   4-(2-furanyl)-Ph   3729   4-F   COtBu   2-CN-Ph   3731   4-F   COtBu   2-COMe-Ph   3731   4-F   COtBu   2-COMe-Ph   3732   4-F   COtBu   2-COMe-Ph   3733   4-F   COtBu   2-COMHe-Ph   3734   4-F   COtBu   2-CONHe-Ph   3735   4-F   COtBu   2-CONHe-Ph   3736   4-F   COtBu   2-SO2NHe-Ph   3737   4-F   COtBu   2-SO2NH2-Ph   3738   4-F   COtBu   2-SO2NH2-Ph   3738   4-F   COtBu   2-SO2NH2-Ph   3739   4-F   COtBu   2-SO2NH2-Ph   3739   4-F   COtBu   2-SO2NH2-Ph   3739   4-F   COtBu   2-SO2NH2-Ph   3739   4-F   COtBu   2-SO2NH2-Ph   3734   4-F   COtBu   2-SO2NH2-Ph   3734   4-F   COtBu   2-SO2NH2-Ph   3734   4-F   COtBu   2-SO2NH2-Ph   3741   4-F   COtBu   2-SMe-Ph   3741   4-F   COtBu   2-SMe-Ph   3743   4-F   COtBu   2-SMe-Ph   3743   4-F   COtBu   2-SO2Me-Ph   3744   4-F   COtBu   2-SO2Me-Ph   3744   4-F   COtBu   2-SO2Me-Ph   3744   4-F   COtBu				4-Me-Ph_
3715   4-F   COtBu   4-tBu-Ph   3716   4-F   COtBu   4-CH2CO2Me-Ph   3717   4-F   COtBu   4-(1-piperidinyl)-Ph   3718   4-F   COtBu   4-(1-piperidinyl)-Ph   3718   4-F   COtBu   4-(1-piperidinyl)-Ph   3719   4-F   COtBu   4-(2-imidazolyl)-Ph   3720   4-F   COtBu   4-(1-imidazolyl)-Ph   3721   4-F   COtBu   4-(2-thiazolyl)-Ph   3722   4-F   COtBu   4-(3-pyrazolyl)-Ph   3723   4-F   COtBu   4-(1-pyrazolyl)-Ph   3724   4-F   COtBu   4-(5-Me-1-tetrazolyl)-Ph   3725   4-F   COtBu   4-(1-me-5-tetrazolyl)-Ph   3726   4-F   COtBu   4-(2-pyridyl)-Ph   3727   4-F   COtBu   4-(2-thienyl)-Ph   3728   4-F   COtBu   4-(2-thienyl)-Ph   3729   4-F   COtBu   4-(2-furanyl)-Ph   3730   4-F   COtBu   2-CN-Ph   3731   4-F   COtBu   2-COMe-Ph   3732   4-F   COtBu   2-COMe-Ph   3733   4-F   COtBu   2-CONHMe-Ph   3734   4-F   COtBu   2-CONHMe-Ph   3735   4-F   COtBu   2-F-Ph   3736   4-F   COtBu   2-Br-Ph   3737   4-F   COtBu   2-Br-Ph   3737   4-F   COtBu   2-SO2NH2-Ph   3738   4-F   COtBu   2-SO2NH2-Ph   3738   4-F   COtBu   2-SO2NH2-Ph   3738   4-F   COtBu   2-SO2NHMe-Ph   3739   4-F   COtBu   2-SO2NHMe-Ph   3739   4-F   COtBu   2-SO2NHMe-Ph   3734   4-F   COtBu   2-SO2NHMe-Ph   3744   4-F   COtBu   2-SO2NHMe-Ph   3744   4-F   COtBu   2-SO2NH-Ph   3743   4-F   COtBu   2-SOM-Ph   3744   4-F   COtBu   2-SOM-Ph   3744   4-F   COtBu   2-SOM-Ph   3744   4-F   COtBu   2-SOM-Ph   3744			COtBu	
3716         4-F         COtBu         4-CH2CO2Me-Ph           3717         4-F         COtBu         4-(1-piperidinyl)-Ph           3718         4-F         COtBu         4-(1-pyrrolidinyl)-Ph           3719         4-F         COtBu         4-(2-imidazolyl)-Ph           3720         4-F         COtBu         4-(1-imidazolyl)-Ph           3721         4-F         COtBu         4-(2-thiazolyl)-Ph           3722         4-F         COtBu         4-(3-pyrazolyl)-Ph           3723         4-F         COtBu         4-(1-pyrazolyl)-Ph           3724         4-F         COtBu         4-(1-me-5-tetrazolyl)-Ph           3725         4-F         COtBu         4-(2-pyridyl)-Ph           3726         4-F         COtBu         4-(2-pyridyl)-Ph           3727         4-F         COtBu         4-(2-thianyl)-Ph           3728         4-F         COtBu         2-CN-Ph           3730         4-F         COtBu         2-CN-Ph           3731         4-F         COtBu         2-COMe-Ph           3733         4-F         COtBu         2-CONHMe-Ph           3733         4-F         COtBu         2-F-Ph           3734			COtBu	4-iPr-Ph
3717			COtBu	
3718			COtBu	
3719         4-F         COtBu         4-(2-imidazolyl)-Ph           3720         4-F         COtBu         4-(1-imidazolyl)-Ph           3721         4-F         COtBu         4-(2-thiazolyl)-Ph           3722         4-F         COtBu         4-(3-pyrazolyl)-Ph           3723         4-F         COtBu         4-(1-pyrazolyl)-Ph           3724         4-F         COtBu         4-(5-Me-1-tetrazolyl)-Ph           3725         4-F         COtBu         4-(1-Me-5-tetrazolyl)-Ph           3726         4-F         COtBu         4-(2-pyridyl)-Ph           3727         4-F         COtBu         4-(2-thienyl)-Ph           3728         4-F         COtBu         2-CN-Ph           3729         4-F         COtBu         2-COMe-Ph           3730         4-F         COtBu         2-COMe-Ph           3731         4-F         COtBu         2-COMH-Ph           3732         4-F         COtBu         2-CONH2-Ph           3733         4-F         COtBu         2-F-Ph           3734         4-F         COtBu         2-F-Ph           3735         4-F         COtBu         2-SO2NH2-Ph           3736         4-F			COtBu	
3720         4-F         COtBu         4-(1-imidazolyl)-Ph           3721         4-F         COtBu         4-(2-thiazolyl)-Ph           3722         4-F         COtBu         4-(3-pyrazolyl)-Ph           3723         4-F         COtBu         4-(1-pyrazolyl)-Ph           3724         4-F         COtBu         4-(5-Me-1-tetrazolyl)-Ph           3725         4-F         COtBu         4-(1-Me-5-tetrazolyl)-Ph           3726         4-F         COtBu         4-(2-pyridyl)-Ph           3727         4-F         COtBu         4-(2-thienyl)-Ph           3728         4-F         COtBu         4-(2-furanyl)-Ph           3729         4-F         COtBu         2-CN-Ph           3730         4-F         COtBu         2-COMe-Ph           3731         4-F         COtBu         2-COMe-Ph           3732         4-F         COtBu         2-CONH2-Ph           3733         4-F         COtBu         2-F-Ph           3734         4-F         COtBu         2-F-Ph           3735         4-F         COtBu         2-SO2NH2-Ph           3736         4-F         COtBu         2-SO2NH-Ph           3739         4-F			COtBu	
3721         4-F         COtBu         4-(2-thiazolyl)-Ph           3722         4-F         COtBu         4-(3-pyrazolyl)-Ph           3723         4-F         COtBu         4-(1-pyrazolyl)-Ph           3724         4-F         COtBu         4-(5-Me-1-tetrazolyl)-Ph           3725         4-F         COtBu         4-(2-pyridyl)-Ph           3726         4-F         COtBu         4-(2-pyridyl)-Ph           3727         4-F         COtBu         4-(2-thienyl)-Ph           3728         4-F         COtBu         4-(2-furanyl)-Ph           3729         4-F         COtBu         2-CN-Ph           3730         4-F         COtBu         2-COMe-Ph           3731         4-F         COtBu         2-COMe-Ph           3732         4-F         COtBu         2-CONH2-Ph           3733         4-F         COtBu         2-F-Ph           3734         4-F         COtBu         2-F-Ph           3735         4-F         COtBu         2-Br-Ph           3737         4-F         COtBu         2-SO2NH2-Ph           3738         4-F         COtBu         2-SO2NH-Ph           3740         4-F         COtBu			COtBu_	
3722         4-F         COtBu         4-(3-pyrazolyl)-Ph           3723         4-F         COtBu         4-(1-pyrazolyl)-Ph           3724         4-F         COtBu         4-(5-Me-1-tetrazolyl)-Ph           3725         4-F         COtBu         4-(1-Me-5-tetrazolyl)-Ph           3726         4-F         COtBu         4-(2-pyridyl)-Ph           3727         4-F         COtBu         4-(2-thienyl)-Ph           3728         4-F         COtBu         2-CN-Ph           3729         4-F         COtBu         2-CN-Ph           3730         4-F         COtBu         2-COMe-Ph           3731         4-F         COtBu         2-COMH2-Ph           3732         4-F         COtBu         2-CONH2-Ph           3733         4-F         COtBu         2-F-Ph           3734         4-F         COtBu         2-F-Ph           3735         4-F         COtBu         2-B-P-Ph           3736         4-F         COtBu         2-SO2NH2-Ph           3738         4-F         COtBu         2-SO2NHM-Ph           3740         4-F         COtBu         2-SM-Ph           3741         4-F         COtBu <t< td=""><td></td><td></td><td></td><td></td></t<>				
3723       4-F       COtBu       4-(1-pyrazolyl)-Ph         3724       4-F       COtBu       4-(5-Me-1-tetrazolyl)-Ph         3725       4-F       COtBu       4-(1-Me-5-tetrazolyl)-Ph         3726       4-F       COtBu       4-(2-pyridyl)-Ph         3727       4-F       COtBu       4-(2-thienyl)-Ph         3728       4-F       COtBu       2-CN-Ph         3729       4-F       COtBu       2-CN-Ph         3730       4-F       COtBu       2-COMe-Ph         3731       4-F       COtBu       2-COMe-Ph         3732       4-F       COtBu       2-CONH2-Ph         3733       4-F       COtBu       2-F-Ph         3734       4-F       COtBu       2-F-Ph         3735       4-F       COtBu       2-Br-Ph         3736       4-F       COtBu       2-SO2NH2-Ph         3737       4-F       COtBu       2-SO2NHMe-Ph         3739       4-F       COtBu       2-CF3-Ph         3740       4-F       COtBu       2-SMe-Ph         3741       4-F       COtBu       2-SMe-Ph         3743       4-F       COtBu       2-SO2Me-Ph </td <td></td> <td></td> <td>COtBu</td> <td></td>			COtBu	
3724       4-F       COtBu       4-(5-Me-1-tetrazolyl)-Ph         3725       4-F       COtBu       4-(1-Me-5-tetrazolyl)-Ph         3726       4-F       COtBu       4-(2-pyridyl)-Ph         3727       4-F       COtBu       4-(2-thienyl)-Ph         3728       4-F       COtBu       2-CN-Ph         3729       4-F       COtBu       2-COM-Ph         3730       4-F       COtBu       2-COM-Ph         3731       4-F       COtBu       2-COM-Ph         3732       4-F       COtBu       2-CONH2-Ph         3733       4-F       COtBu       2-F-Ph         3734       4-F       COtBu       2-F-Ph         3735       4-F       COtBu       2-Br-Ph         3737       4-F       COtBu       2-SO2NH2-Ph         3738       4-F       COtBu       2-SO2NHM-Ph         3740       4-F       COtBu       2-CF3-Ph         3741       4-F       COtBu       2-SM-Ph         3742       4-F       COtBu       2-SM-Ph         3743       4-F       COtBu       2-SO2M-Ph				
3725         4-F         COtBu         4-(1-Me-5-tetrazolyl)-Ph           3726         4-F         COtBu         4-(2-pyridyl)-Ph           3727         4-F         COtBu         4-(2-thienyl)-Ph           3728         4-F         COtBu         4-(2-furanyl)-Ph           3729         4-F         COtBu         2-CN-Ph           3730         4-F         COtBu         2-COMe-Ph           3731         4-F         COtBu         2-COMe-Ph           3732         4-F         COtBu         2-CONH2-Ph           3733         4-F         COtBu         2-F-Ph           3734         4-F         COtBu         2-F-Ph           3735         4-F         COtBu         2-Br-Ph           3736         4-F         COtBu         2-SO2NH2-Ph           3738         4-F         COtBu         2-SO2NHMe-Ph           3739         4-F         COtBu         2-CF3-Ph           3740         4-F         COtBu         2-SMe-Ph           3741         4-F         COtBu         2-SMe-Ph           3743         4-F         COtBu         2-SO2Me-Ph				
3726       4-F       COtBu       4-(2-pyridyl)-Ph         3727       4-F       COtBu       4-(2-thienyl)-Ph         3728       4-F       COtBu       4-(2-furanyl)-Ph         3729       4-F       COtBu       2-CN-Ph         3730       4-F       COtBu       2-COMe-Ph         3731       4-F       COtBu       2-COMH2-Ph         3732       4-F       COtBu       2-CONHM-Ph         3733       4-F       COtBu       2-F-Ph         3734       4-F       COtBu       2-F-Ph         3735       4-F       COtBu       2-Br-Ph         3736       4-F       COtBu       2-SO2NH2-Ph         3737       4-F       COtBu       2-SO2NHM-Ph         3739       4-F       COtBu       2-CF3-Ph         3740       4-F       COtBu       2-OM-Ph         3741       4-F       COtBu       2-SM-Ph         3743       4-F       COtBu       2-SOM-Ph				
3727       4-F       COtBu       4-(2-thienyl)-Ph         3728       4-F       COtBu       4-(2-furanyl)-Ph         3729       4-F       COtBu       2-CN-Ph         3730       4-F       COtBu       2-COMe-Ph         3731       4-F       COtBu       2-COMe-Ph         3732       4-F       COtBu       2-CONH2-Ph         3733       4-F       COtBu       2-F-Ph         3734       4-F       COtBu       2-F-Ph         3735       4-F       COtBu       2-Br-Ph         3736       4-F       COtBu       2-SO2NH2-Ph         3737       4-F       COtBu       2-SO2NHMe-Ph         3738       4-F       COtBu       2-CF3-Ph         3740       4-F       COtBu       2-OMe-Ph         3741       4-F       COtBu       2-SMe-Ph         3742       4-F       COtBu       2-SOMe-Ph         3743       4-F       COtBu       2-SO2Me-Ph				
3728       4-F       COtBu       4-(2-furany1)-Ph         3729       4-F       COtBu       2-CN-Ph         3730       4-F       COtBu       2-COMe-Ph         3731       4-F       COtBu       2-CONH2-Ph         3732       4-F       COtBu       2-CONHM2-Ph         3733       4-F       COtBu       2-F-Ph         3734       4-F       COtBu       2-F-Ph         3735       4-F       COtBu       2-Br-Ph         3736       4-F       COtBu       2-SO2NH2-Ph         3737       4-F       COtBu       2-SO2NHMe-Ph         3738       4-F       COtBu       2-CF3-Ph         3740       4-F       COtBu       2-OMe-Ph         3741       4-F       COtBu       2-SMe-Ph         3742       4-F       COtBu       2-SOMe-Ph         3743       4-F       COtBu       2-SOMe-Ph				
3729       4-F       COtBu       2-CN-Ph         3730       4-F       COtBu       2-COMe-Ph         3731       4-F       COtBu       2-CO2Me-Ph         3732       4-F       COtBu       2-CONHMe-Ph         3733       4-F       COtBu       2-F-Ph         3734       4-F       COtBu       2-F-Ph         3735       4-F       COtBu       2-Br-Ph         3736       4-F       COtBu       2-SO2NH2-Ph         3737       4-F       COtBu       2-SO2NH2-Ph         3738       4-F       COtBu       2-SO2NHMe-Ph         3740       4-F       COtBu       2-OMe-Ph         3741       4-F       COtBu       2-SMe-Ph         3742       4-F       COtBu       2-SOMe-Ph         3743       4-F       COtBu       2-SO2Me-Ph				
3730       4-F       COtBu       2-COMe-Ph         3731       4-F       COtBu       2-COMe-Ph         3732       4-F       COtBu       2-CONH2-Ph         3733       4-F       COtBu       2-CONHMe-Ph         3734       4-F       COtBu       2-F-Ph         3735       4-F       COtBu       2-Br-Ph         3736       4-F       COtBu       2-SO2NH2-Ph         3737       4-F       COtBu       2-SO2NH0-Ph         3738       4-F       COtBu       2-CF3-Ph         3740       4-F       COtBu       2-OMe-Ph         3741       4-F       COtBu       2-SMe-Ph         3742       4-F       COtBu       2-SOMe-Ph         3743       4-F       COtBu       2-SOMe-Ph				
3731       4-F       COtBu       2-CO2Me-Ph         3732       4-F       COtBu       2-CONH2-Ph         3733       4-F       COtBu       2-CONHMe-Ph         3734       4-F       COtBu       2-F-Ph         3735       4-F       COtBu       2-Br-Ph         3736       4-F       COtBu       2-Br-Ph         3737       4-F       COtBu       2-SO2NH2-Ph         3738       4-F       COtBu       2-SO2NHMe-Ph         3740       4-F       COtBu       2-CF3-Ph         3740       4-F       COtBu       2-SMe-Ph         3741       4-F       COtBu       2-SMe-Ph         3742       4-F       COtBu       2-SOMe-Ph         3743       4-F       COtBu       2-SO2Me-Ph				
3732       4-F       COtBu       2-CONH2-Ph         3733       4-F       COtBu       2-CONHMe-Ph         3734       4-F       COtBu       2-F-Ph         3735       4-F       COtBu       2-Br-Ph         3736       4-F       COtBu       2-SO2NH2-Ph         3737       4-F       COtBu       2-SO2NH2-Ph         3738       4-F       COtBu       2-SO2NHMe-Ph         3739       4-F       COtBu       2-CF3-Ph         3740       4-F       COtBu       2-OMe-Ph         3741       4-F       COtBu       2-SMe-Ph         3742       4-F       COtBu       2-SOMe-Ph         3743       4-F       COtBu       2-SO2Me-Ph				
3733       4-F       COtBu       2-CONHMe-Ph         3734       4-F       COtBu       2-F-Ph         3735       4-F       COtBu       2-Br-Ph         3736       4-F       COtBu       2-Br-Ph         3737       4-F       COtBu       2-SO2NH2-Ph         3738       4-F       COtBu       2-SO2NHMe-Ph         3739       4-F       COtBu       2-CF3-Ph         3740       4-F       COtBu       2-OMe-Ph         3741       4-F       COtBu       2-SMe-Ph         3742       4-F       COtBu       2-SOMe-Ph         3743       4-F       COtBu       2-SO2Me-Ph				
3734       4-F       COtBu       2-F-Ph         3735       4-F       COtBu       2-C1-Ph         3736       4-F       COtBu       2-Br-Ph         3737       4-F       COtBu       2-SO2NH2-Ph         3738       4-F       COtBu       2-SO2NHMe-Ph         3739       4-F       COtBu       2-CF3-Ph         3740       4-F       COtBu       2-OMe-Ph         3741       4-F       COtBu       2-SMe-Ph         3742       4-F       COtBu       2-SOMe-Ph         3743       4-F       COtBu       2-SO2Me-Ph				
3735       4-F       COtBu       2-C1-Ph         3736       4-F       COtBu       2-Br-Ph         3737       4-F       COtBu       2-SO2NH2-Ph         3738       4-F       COtBu       2-SO2NHMe-Ph         3739       4-F       COtBu       2-CF3-Ph         3740       4-F       COtBu       2-OMe-Ph         3741       4-F       COtBu       2-SMe-Ph         3742       4-F       COtBu       2-SOMe-Ph         3743       4-F       COtBu       2-SO2Me-Ph				
3736     4-F     COtBu     2-Br-Ph       3737     4-F     COtBu     2-SO2NH2-Ph       3738     4-F     COtBu     2-SO2NHMe-Ph       3739     4-F     COtBu     2-CF3-Ph       3740     4-F     COtBu     2-OMe-Ph       3741     4-F     COtBu     2-SMe-Ph       3742     4-F     COtBu     2-SOMe-Ph       3743     4-F     COtBu     2-SO2Me-Ph			COtBu	
3737     4-F     COtBu     2-SO2NH2-Ph       3738     4-F     COtBu     2-SO2NHMe-Ph       3739     4-F     COtBu     2-CF3-Ph       3740     4-F     COtBu     2-OMe-Ph       3741     4-F     COtBu     2-SMe-Ph       3742     4-F     COtBu     2-SOMe-Ph       3743     4-F     COtBu     2-SO2Me-Ph				
3738       4-F       COtBu       2-SO2NHMe-Ph         3739       4-F       COtBu       2-CF3-Ph         3740       4-F       COtBu       2-OMe-Ph         3741       4-F       COtBu       2-SMe-Ph         3742       4-F       COtBu       2-SOMe-Ph         3743       4-F       COtBu       2-SO2Me-Ph				
3739       4-F       COtBu       2-CF3-Ph         3740       4-F       COtBu       2-OMe-Ph         3741       4-F       COtBu       2-SMe-Ph         3742       4-F       COtBu       2-SOMe-Ph         3743       4-F       COtBu       2-SO2Me-Ph				
3740       4-F       COtBu       2-OMe-Ph         3741       4-F       COtBu       2-SMe-Ph         3742       4-F       COtBu       2-SOMe-Ph         3743       4-F       COtBu       2-SO2Me-Ph		4-F	COtBu	
3741       4-F       COtBu       2-SMe-Ph         3742       4-F       COtBu       2-SOMe-Ph         3743       4-F       COtBu       2-SO2Me-Ph		4-F		
3742         4-F         COtBu         2-SOMe-Ph           3743         4-F         COtBu         2-SO2Me-Ph		4-F	COtBu	
3743 4-F COtBu 2-SO2Me-Ph				
		4-F	COtBu	2-SOMe-Ph
3744   4-F   COtBu   2-OH-Ph		4-F	COtBu	
	3744	4-F	COtBu	2-OH-Ph

3745	4-F	COtBu	2-CH2OH-Ph
3746	4-F	COtBu	2-CHOHMe-Ph
3747	4-F	COtBu_	2-COH (Me) 2-Ph
3748	4-F	COtBu	2-Me-Ph
3749	4-F	COtBu	2-Et-Ph
3750	4-F	COtBu	2-iPr-Ph
3751	4-F	COtBu	2-tBu-Ph
3752	4-F	COtBu_	2-CH2CO2Me-Ph
3753	4-F	COtBu	2-(1-piperidinyl)-Ph
3754	4-F	COtBu	2-(1-pyrrolidinyl)-Ph
3755	4-F	COtBu	2-(2-imidazolyl)-Ph
3756	4-F	COtBu	2-(1-imidazolyl)-Ph
3757	4-F	COtBu	2-(2-thiazolyl)-Ph
3758	4-F	COtBu	2-(3-pyrazolyl)-Ph
3759	4-F	COtBu	2-(1-pyrazolyl)-Ph
3760	4-F	COtBu	2-(5-Me-1-tetrazoly1)-Ph
3761	4-F	COtBu	2-(1-Me-5-tetrazolyl)-Ph
3762	4-F	COtBu	2-(2-pyridyl)-Ph
3763	4-F	COtBu	2-(2-thienyl)-Ph
3764	4-F	COtBu	2-(2-furanyl)-Ph
3765	4-F	COtBu	2,4-diF-Ph
3766	4-F	COtBu	2,5-diF-Ph
3767	4-F	COtBu	2,6-diF-Ph
3768	4-F	COtBu	3,4-diF-Ph
3769	4-F	COtBu	3,5-diF-Ph
3770	4-F	COtBu	2,4-diCl-Ph
3771	4-F	COtBu	2,5-diCl-Ph
3772	4-F	COtBu	2,6-diCl-Ph
3773	4-F	COtBu	3,4-diCl-Ph
3774	4-F	COtBu	3,5-diCl-Ph
3775	4-F	COtBu	3,4-diCF3-Ph
3776	4-F	COtBu	3,5-diCF3-Ph
3777	4-F	COtBu	5-C1-2-MeO-Ph
3778	4-F	COtBu	5-Cl-2-Me-Ph
3779	4-F	COtBu	2-F-5-Me-Ph
3780	4-F	COtBu_	3-F-5-morpholino-Ph
3781	4-F	COtBu	3,4-OCH2O-Ph
3782	4-F	COtBu	3,4-OCH2CH2O-Ph
3783	4-F	COtBu	2-MeO-5-CONH2-Ph
3784	4-F	COtBu	2-MeO-4-(1-Me-5-tetrazoly1)-Ph
3785	4-F	COtBu	2-MeO-5-(1-Me-5-tetrazoly1)-Ph
3786	4-F	COtBu	3-CONH2-5-(1-Me-5-tetrazolyl)-Ph
3787	4-F	COtBu	1-naphthyl
3788	4-F	COtBu	2-naphthyl
3789	4-F	COtBu	2-thienyl
3790	4-F	COtBu	3-thienyl
3791	4-F	COtBu	2-furanyl
3792	4-F	COtBu	3-furany1
3793	4-F	COtBu	2-pyridyl
3794	4-F	COtBu	3-pyridyl
3795	4-F	COtBu	4-pyridyl
3796	4-F	COtBu	2-indoly1
3797	4-F	COtBu	3-indolyl
3798	4-F	COtBu	5-indolyl
3799	4-F	COtBu	6-indolyl

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3800	4-F	COtBu	3-indazolyl
3801	4-F	COtBu	5-indazolyl
3802	4-F	COtBu	6-indazolyl
3803	4-F	COtBu	2-imidazolyl
3804	4-F	COtBu	3-isoxazoyl
3805	4-F	COtBu	3-pyrazolyl
3806	4-F	COtBu	2-thiadiazolyl
3807	4-F	COtBu	2-thiazolyl
3808	4-F	COtBu	5-Ac-4-Me-2-thiazolyl
3809	4-F	COtBu	5-tetrazolyl
3810	4-F	COtBu	2-benzimidazolyl
3811	4-F	COtBu	5-benzimidazolyl
3812	4-F	COtBu	2-benzothiazolyl
3813	4-F	COtBu	5-benzothiazolyl
3814	4-F	COtBu	2-benzoxazoly1
3815	4-F	COtBu	5-benzoxazolyl
3816	4-F	COtBu	1-adamanty1
3817	4-F	COtBu	2-adamantyl
3818	4-F	COtBu	i-Pr
3819	4-F	COtBu	t-Bu
3820	4-F	COtBu	c-Hex
3821	4-F	COtBu	CH2CH2OMe
3822	4-F	COtBu	CH2CONH2
3823	4-F	COtBu	CH2CO2Me
3824	4-F	COtBu	CH (CH2Ph) CO2Me
3825	4-F	COtBu	CH2CH2NMe2
3826	4-F	COtBu	benzyl
3827	4-F	COtBu	phenethyl
3828	4-F	COtBu	2-(morpholin-1-yl)-Et
3829	4-F	SO2Me	Ph
3830	4-F	SO2Me	3-CN-Ph
3831	4-F	SO2Me	3-COMe-Ph
3832	4-F	SO2Me	3-CO2Me-Ph
3833	4-F	SO2Me	3-CONH2-Ph
3834	4-F	SO2Me	3-CONHMe-Ph
3835	4-F	SO2Me	3-F-Ph
3836	4-F	SO2Me	3-Cl-Ph
3837	4-F	SO2Me	3-Br-Ph
3838	4-F	SO2Me	3-SO2NH2-Ph
3839	4-F	SO2Me	3-SO2NHMe-Ph
3840	4-F	SO2Me	3-CF3-Ph
3841	4-F	SO2Me	3-OMe-Ph
3842	4-F	SO2Me	3-SMe-Ph
3843	4-F	SO2Me	3-SOMe-Ph
3844	4-F	SO2Me	3-S02Me-Ph
3845	4-F	SO2Me	3-OH-Ph
3846	4-F	SO2Me	3-CH2OH-Ph
3847	4-F	SO2Me	3-CHOHMe-Ph
3848	4-F	SO2Me	3-COH (Me) 2-Ph
3849	4-F	SO2Me	3-Me-Ph
3850	4-F	SO2Me	3-He-Fh
3851	4-F	SO2Me	3-iPr-Ph
3852	4-F	SO2Me SO2Me	3-1F1-F11 3-tBu-Ph
	<del></del>		
	1 /1 1	I COUMA	1
3853 3854	4-F 4-F	SO2Me SO2Me	3-CH2CO2Me-Ph 3-(1-piperidinyl)-Ph

3855   4-F   SO2Me   3-(1-pyrrolidiny1)-Ph   3857   4-F   SO2Me   3-(1-imidazoly1)-Ph   3857   4-F   SO2Me   3-(1-imidazoly1)-Ph   3858   4-F   SO2Me   3-(1-imidazoly1)-Ph   3859   4-F   SO2Me   3-(2-thiazoly1)-Ph   3860   4-F   SO2Me   3-(1-pyrazoly1)-Ph   3861   4-F   SO2Me   3-(1-pyrazoly1)-Ph   3862   4-F   SO2Me   3-(1-pyrazoly1)-Ph   3862   4-F   SO2Me   3-(2-pyridy1)-Ph   3863   4-F   SO2Me   3-(2-pyridy1)-Ph   3864   4-F   SO2Me   3-(2-pyridy1)-Ph   3865   4-F   SO2Me   3-(2-furany1)-Ph   3866   4-F   SO2Me   3-(2-furany1)-Ph   3866   4-F   SO2Me   3-(2-furany1)-Ph   3867   4-F   SO2Me   4-COM-Ph   3868   4-F   SO2Me   4-COM-Ph   3868   4-F   SO2Me   4-COMH2-Ph   3870   4-F   SO2Me   4-COMHP-Ph   3871   4-F   SO2Me   4-COMHP-Ph   3872   4-F   SO2Me   4-COMHP-Ph   3873   4-F   SO2Me   4-COM-Ph   3873   4-F   SO2Me   4-F-Ph   3873   4-F   SO2Me   4-F-Ph   3875   4-F   SO2Me   4-F-Ph   3875   4-F   SO2Me   4-SO2M-Ph   3876   4-F   SO2Me   4-SO2M-Ph   3877   4-F   SO2Me   4-SO2M-Ph   3878   4-F   SO2Me   4-SO2M-Ph   3878   4-F   SO2Me   4-SO2M-Ph   3878   4-F   SO2Me   4-SO2M-Ph   3878   4-F   SO2Me   4-SO2M-Ph   3880   4-F   SO2Me   4-SO2M-Ph   3881   4-F   SO2Me   4-SO2M-Ph   3881   4-F   SO2Me   4-SO2M-Ph   3882   4-F   SO2Me   4-SO2M-Ph   3883   4-F   SO2Me   4-SO2M-Ph   3883   4-F   SO2Me   4-CH2OH-Ph   3891   4-F   SO2Me   4-CH2OH-Ph   3891   4-F   SO2Me   4-CH2OH-Ph   3893   4-F   SO2Me   4-CH2OH-P	,			<del>,</del>
3857	3855	4-F	SO2Me	3-(1-pyrrolidinyl)-Ph
3858			SO2Me	3-(2-imidazolyl)-Ph
3859				3-(1-imidazolyl)-Ph
3860				
3861   4-F   SO2Me   3-(5-Me-1-tetrazolyl)-Ph   3862   4-F   SO2Me   3-(1-Me-5-tetrazolyl)-Ph   3863   4-F   SO2Me   3-(2-pyridyl)-Ph   3864   4-F   SO2Me   3-(2-thienyl)-Ph   3865   4-F   SO2Me   3-(2-thienyl)-Ph   3866   4-F   SO2Me   4-CN-Ph   3867   4-F   SO2Me   4-COMe-Ph   3867   4-F   SO2Me   4-COME-Ph   3869   4-F   SO2Me   4-CONH2-Ph   3869   4-F   SO2Me   4-CONH2-Ph   3870   4-F   SO2Me   4-CONH4-Ph   3871   4-F   SO2Me   4-CONH4-Ph   3872   4-F   SO2Me   4-CONH4-Ph   3873   4-F   SO2Me   4-C1-Ph   3873   4-F   SO2Me   4-SO2MH2-Ph   3875   4-F   SO2Me   4-SO2MH2-Ph   3876   4-F   SO2Me   4-SO2MH2-Ph   3877   4-F   SO2Me   4-CF3-Ph   3878   4-F   SO2Me   4-CF3-Ph   3878   4-F   SO2Me   4-SM-Ph   3879   4-F   SO2Me   4-SM-Ph   3879   4-F   SO2Me   4-SOM-Ph   3880   4-F   SO2Me   4-SOM-Ph   3881   4-F   SO2Me   4-SOM-Ph   3882   4-F   SO2Me   4-SOM-Ph   3883   4-F   SO2Me   4-CHOH4-Ph   3884   4-F   SO2Me   4-CHOH4-Ph   3885   4-F   SO2Me   4-CHOH4-Ph   3886   4-F   SO2Me   4-CHOH4-Ph   3887   4-F   SO2Me   4-CHOH4-Ph   3889   4-F   SO2Me   4-CHOH4-Ph   3889   4-F   SO2Me   4-CHOH4-Ph   3899   4-F   SO2Me   4-CHOH4-Ph   3899   4-F   SO2Me   4-CHOH4-Ph   3891   4-F   SO2Me   4-CHOH4-Ph   3891   4-F   SO2Me   4-CHOH4-Ph   3891   4-F   SO2Me   4-CHOH4-Ph   3893   4-F   SO				
3862				
3863   4-F   SO2Me   3-(2-pyridyl)-Ph   3865   4-F   SO2Me   3-(2-furanyl)-Ph   3865   4-F   SO2Me   3-(2-furanyl)-Ph   3866   4-F   SO2Me   4-CN-Ph   3866   4-F   SO2Me   4-CN-Ph   3867   4-F   SO2Me   4-COME-Ph   3868   4-F   SO2Me   4-COME-Ph   3869   4-F   SO2Me   4-CONHP-Ph   3871   4-F   SO2Me   4-CONHP-Ph   3871   4-F   SO2Me   4-CONHP-Ph   3872   4-F   SO2Me   4-F-Ph   3873   4-F   SO2Me   4-F-Ph   3874   4-F   SO2Me   4-SO2ME-Ph   3875   4-F   SO2Me   4-SO2ME-Ph   3876   4-F   SO2Me   4-SO2ME-Ph   3877   4-F   SO2Me   4-SO2ME-Ph   3877   4-F   SO2Me   4-SO2ME-Ph   3878   4-F   SO2Me   4-SO2ME-Ph   3879   4-F   SO2Me   4-SO2ME-Ph   3880   4-F   SO2Me   4-SO2ME-Ph   3880   4-F   SO2Me   4-SO2ME-Ph   3881   4-F   SO2Me   4-SO2ME-Ph   3882   4-F   SO2Me   4-CH2OH-Ph   3883   4-F   SO2Me   4-CH2OH-Ph   3883   4-F   SO2Me   4-CH2OH-Ph   3884   4-F   SO2Me   4-CH2OH-Ph   3885   4-F   SO2Me   4-CH2OH-Ph   3886   4-F   SO2Me   4-CH2OH-Ph   3887   4-F   SO2Me   4-CH2OH-Ph   3887   4-F   SO2Me   4-CH2OH-Ph   3890   4-F   SO2Me   4-CH2OH-Ph   3891   4-F   SO2Me   4-CH2OM-Ph   3891   4-F   SO2Me   4-ET-Ph   3891   4-F   SO2Me   4-IPT-Ph   3891   4-F   SO2Me   4-IPT-Ph   3891   4-F   SO2Me   4-IPT-Ph   3891   4-F   SO2Me   4-(1-piperidinyl)-Ph   3893   4-F   SO2Me   4-(1-piperidinyl)-Ph   3894   4-F   SO2Me   4-(1-piperidinyl)-Ph   3894   4-F   SO2Me   4-(1-piperidinyl)-Ph   3895   4-F   SO2Me   4-(1-piperidinyl)-Ph   3896   4-F   SO2Me   4-(1-piperidinyl)-Ph   3897   4-F   SO2Me   4-(1-piperidinyl)-Ph   3898   4-F   SO2Me   4-(1-piperidinyl)-Ph   3899   4-F   SO2Me   4-(1-piperidinyl)-Ph   3899   4-F   SO2Me   4-(1-piperidinyl)-Ph   3891   4-F   SO2Me   4-(1-piperidinyl)-Ph   3891   4-F   SO2Me   4-(1-piperidinyl)-Ph   3891   4-F   SO2Me   4-(1-piperidinyl)-Ph   3891   4-F   SO2Me   4-(1-piperidinyl)-Ph   3899   4-F   SO2Me   4-(1-piperidinyl)-Ph   3900   4-F   SO2Me   4-(1-piperidinyl)-Ph   3900   4-F   SO2Me   4-(1-piperidinyl)-Ph   3900   4-F   SO2Me   4-(1-piperidinyl)-Ph   3900   4-F   SO2Me   4-(1-piperidin			SO2Me	
3864   4-F   SOZME   3-(2-thienyl)-Ph   3865   4-F   SOZME   3-(2-turanyl)-Ph   3866   4-F   SOZME   4-CN-Ph   3867   4-F   SOZME   4-COME-Ph   3868   4-F   SOZME   4-COME-Ph   3869   4-F   SOZME   4-COMH2-Ph   3870   4-F   SOZME   4-CONHP-Ph   3871   4-F   SOZME   4-CONHP-Ph   3871   4-F   SOZME   4-CONHP-Ph   3872   4-F   SOZME   4-F-Ph   3873   4-F   SOZME   4-F-Ph   3874   4-F   SOZME   4-SOZME   4-F-Ph   3875   4-F   SOZME   4-SOZME   4-F-Ph   3876   4-F   SOZME   4-SOZME-Ph   3877   4-F   SOZME   4-SOZMHME-Ph   3877   4-F   SOZME   4-SME-Ph   3889   4-F   SOZME   4-SME-Ph   3880   4-F   SOZME   4-SME-Ph   3881   4-F   SOZME   4-SME-Ph   3881   4-F   SOZME   4-SME-Ph   3882   4-F   SOZME   4-CHOHME-Ph   3883   4-F   SOZME   4-CHOHME-Ph   3884   4-F   SOZME   4-CHOHME-Ph   3885   4-F   SOZME   4-CHOHME-Ph   3886   4-F   SOZME   4-CHOHME-Ph   3887   4-F   SOZME   4-CHOHME-Ph   3888   4-F   SOZME   4-CHOHME-Ph   3889   4-F   SOZME   4-Et-Ph   3890   4-F   SOZME   4-CHOHME-Ph   3891   4-F   SOZME   4-Et-Ph   3891   4-F   SOZME   4-Et-Ph   3891   4-F   SOZME   4-(1-piperidinyl)-Ph   3892   4-F   SOZME   4-(1-piperidinyl)-Ph   3893   4-F   SOZME   4-(1-piperidinyl)-Ph   3894   4-F   SOZME   4-(1-piperidinyl)-Ph   3895   4-F   SOZME   4-(1-piperidinyl)-Ph   3896   4-F   SOZME   4-(1-piperidinyl)-Ph   3897   4-F   SOZME   4-(2-thiazolyl)-Ph   3898   4-F   SOZME   4-(2-thiazolyl)-Ph   3896   4-F   SOZME   4-(2-thiazolyl)-Ph   3897   4-F   SOZME   4-(1-pyrazolyl)-Ph   3898   4-F   SOZME   4-(1-pyrazolyl)-Ph   3990   4-F   SOZME   4-(1-pyrazolyl)-Ph   3990   4-F   SOZME   4-(1-pyrazolyl)-Ph   3990   4-F   SOZME   4-(2-thiazolyl)-Ph   3990   4-F   SOZME   2-COME-Ph   3990   4-F   SOZME   2-COMHE-Ph   3990   4-F   SOZME   2-COMH			SO2Me	
3865			SO2Me	
3866   4-F   SO2Me				
3867   4-F   SO2Me			<del></del>	
3868   4-F   SO2Me			SO2Me_	
3869   4-F   SO2Me				<del></del>
3870   4-F   SO2Me				
3871   4-F   SO2Me   4-CONHPh-Ph				
3872   4-F   SO2Me   4-F-Ph   3873   4-F   SO2Me   4-C1-Ph   3874   4-F   SO2Me   4-Br-Ph   3875   4-F   SO2Me   4-SO2MH2-Ph   3876   4-F   SO2Me   4-SO2MHM2-Ph   3877   4-F   SO2Me   4-SO2MHM2-Ph   3877   4-F   SO2Me   4-CF3-Ph   3877   4-F   SO2Me   4-SM2-Ph   3879   4-F   SO2Me   4-SM2-Ph   3880   4-F   SO2Me   4-SOM2-Ph   3881   4-F   SO2Me   4-SO2ME-Ph   3882   4-F   SO2Me   4-CH2OH-Ph   3883   4-F   SO2Me   4-CH2OH-Ph   3884   4-F   SO2Me   4-CH4M2-Ph   3886   4-F   SO2Me   4-CH4M2-Ph   3886   4-F   SO2Me   4-CH4M2-Ph   3887   4-F   SO2Me   4-EE-Ph   3888   4-F   SO2Me   4-EE-Ph   3889   4-F   SO2Me   4-EE-Ph   3889   4-F   SO2Me   4-CH2CO2Me-Ph   3891   4-F   SO2Me   4-CH2CO2Me-Ph   3891   4-F   SO2Me   4-CH2CO2Me-Ph   3891   4-F   SO2Me   4-CH2CO2Me-Ph   3892   4-F   SO2Me   4-CH2pyrrolidinyl)-Ph   3893   4-F   SO2Me   4-C1-piperidinyl)-Ph   3894   4-F   SO2Me   4-C1-piperidinyl)-Ph   3895   4-F   SO2Me   4-(1-piperidinyl)-Ph   3895   4-F   SO2Me   4-(2-thiazolyl)-Ph   3896   4-F   SO2Me   4-(2-thiazolyl)-Ph   3897   4-F   SO2Me   4-(2-thiazolyl)-Ph   3897   4-F   SO2Me   4-(2-thiazolyl)-Ph   3898   4-F   SO2Me   4-(2-thiazolyl)-Ph   3897   4-F   SO2Me   4-(2-thiazolyl)-Ph   3898   4-F   SO2Me   4-(2-thiazolyl)-Ph   3900   4-F   SO2Me   4-(2-thiazolyl)-Ph   3901   4-F   SO2Me   4-(2-thiazolyl)-Ph   3901   4-F   SO2Me   4-(2-thiazolyl)-Ph   3902   4-F   SO2Me   4-(2-thiazolyl)-Ph   3904   4-F   SO2Me   4-(2-thiazolyl)-Ph   3906   4-F   SO2Me   4-(2-thiazolyl)-Ph   3906   4-F   SO2Me   2-CONH2-Ph   3908   4-F   SO2Me   2-C	3870	4-F	SO2Me	
3873   4-F   SO2Me   4-C1-Ph   3874   4-F   SO2Me   4-Br-Ph   3875   4-F   SO2Me   4-SO2NH2-Ph   3876   4-F   SO2Me   4-SO2NHMe-Ph   3877   4-F   SO2Me   4-CF3-Ph   3877   4-F   SO2Me   4-CF3-Ph   3878   4-F   SO2Me   4-OME-Ph   3889   4-F   SO2Me   4-SOME-Ph   3880   4-F   SO2Me   4-SOME-Ph   3881   4-F   SO2Me   4-SO2Me-Ph   3882   4-F   SO2Me   4-CH2OH-Ph   3883   4-F   SO2Me   4-CH2OH-Ph   3884   4-F   SO2Me   4-CH0HME-Ph   3885   4-F   SO2Me   4-CH0HME-Ph   3886   4-F   SO2Me   4-CH0HME-Ph   3887   4-F   SO2Me   4-EF-Ph   3888   4-F   SO2Me   4-EF-Ph   3889   4-F   SO2Me   4-CH2CO2ME-Ph   3890   4-F   SO2Me   4-CH2CO2ME-Ph   3890   4-F   SO2Me   4-CH2CO2ME-Ph   3891   4-F   SO2Me   4-CH2CO2ME-Ph   3892   4-F   SO2Me   4-CH2CO2ME-Ph   3893   4-F   SO2Me   4-CH2CO2ME-Ph   3894   4-F   SO2Me   4-CH2CO2ME-Ph   3895   4-F   SO2Me   4-CH2CO2ME-Ph   3896   4-F   SO2Me   4-CH2CO2ME-Ph   3897   4-F   SO2Me   4-CH2CO2ME-Ph   3898   4-F   SO2Me   4-CH2CO2ME-Ph   3899   4-F   SO2Me   4-CH2CO2ME-Ph   3899   4-F   SO2Me   4-CH2CO2ME-Ph   3899   4-F   SO2Me   4-CH2CO2ME-Ph   3899   4-F   SO2Me   4-CH2CO2ME-Ph   3896   4-F   SO2Me   4-CH2CO2ME-Ph   3897   4-F   SO2Me   4-CH2CO2ME-Ph   3898   4-F   SO2Me   4-CH2CO2ME-Ph   3899   4-F   SO2Me   4-CH2CO2ME-Ph   3900   4-F   SO2Me   4-CH2CO2ME-Ph   3901   4-F   SO2Me   4-CH2CO2ME-Ph   3901   4-F   SO2Me   4-CH2CO2ME-Ph   3904   4-F   SO2Me   4-CH2CO2ME-Ph   3905   4-F   SO2Me   4-CPH1AUDI-Ph   3900   4-F   SO2Me   4-CPH1AUDI-Ph			SO2Me	4-CONHPh-Ph
3874   4-F   SO2Me				<del></del>
3875   4-F   SO2Me				<del></del>
3876   4-F   SO2Me   4-SO2NHMe-Ph   3877   4-F   SO2Me   4-CF3-Ph   3878   4-F   SO2Me   4-OME-Ph   3879   4-F   SO2Me   4-SME-Ph   3880   4-F   SO2Me   4-SOME-Ph   3881   4-F   SO2Me   4-SOME-Ph   3881   4-F   SO2Me   4-OH-Ph   3882   4-F   SO2Me   4-CH2OH-Ph   3883   4-F   SO2Me   4-CH2OH-Ph   3884   4-F   SO2Me   4-CH0HMe-Ph   3885   4-F   SO2Me   4-CH0HMe-Ph   3885   4-F   SO2Me   4-CH0HMe-Ph   3886   4-F   SO2Me   4-EE-Ph   3887   4-F   SO2Me   4-EE-Ph   3889   4-F   SO2Me   4-EE-Ph   3889   4-F   SO2Me   4-CH2CO2Me-Ph   3890   4-F   SO2Me   4-(1-piperidinyl)-Ph   3891   4-F   SO2Me   4-(1-piperidinyl)-Ph   3892   4-F   SO2Me   4-(1-piperidinyl)-Ph   3893   4-F   SO2Me   4-(1-imidazolyl)-Ph   3894   4-F   SO2Me   4-(1-imidazolyl)-Ph   3895   4-F   SO2Me   4-(1-imidazolyl)-Ph   3896   4-F   SO2Me   4-(1-imidazolyl)-Ph   3896   4-F   SO2Me   4-(1-pyrazolyl)-Ph   3896   4-F   SO2Me   4-(1-pyrazolyl)-Ph   3898   4-F   SO2Me   4-(1-pyrazolyl)-Ph   3898   4-F   SO2Me   4-(1-pyrazolyl)-Ph   3898   4-F   SO2Me   4-(1-pyrazolyl)-Ph   3898   4-F   SO2Me   4-(1-pyrazolyl)-Ph   3899   4-F   SO2Me   4-(1-me-5-tetrazolyl)-Ph   3890   4-F   SO2Me   4-(1-me-5-tetrazolyl)-Ph   3901   4-F   SO2Me   4-(2-thienyl)-Ph   3901   4-F   SO2Me   4-(2-thienyl)-Ph   3903   4-F   SO2Me   4-(2-thienyl)-Ph   3904   4-F   SO2Me   4-(2-thienyl)-Ph   3904   4-F   SO2Me   4-(2-thienyl)-Ph   3904   4-F   SO2Me   4-(2-thienyl)-Ph   3904   4-F   SO2Me   2-CON-Ph   3905   4-F   SO2Me   2-COM-Ph   3906   4-F   SO2Me   2-COM-Ph   3907   4-F   SO2Me   2-COM-Ph   3908   4-F				4-Br-Ph
3877				
3878   4-F   SO2Me   4-OME-Ph   3879   4-F   SO2Me   4-SME-Ph   3880   4-F   SO2Me   4-SOME-Ph   3881   4-F   SO2Me   4-SOME-Ph   3881   4-F   SO2Me   4-OH-Ph   3882   4-F   SO2Me   4-CHOH-Ph   3883   4-F   SO2Me   4-CHOHME-Ph   3884   4-F   SO2Me   4-CHOHME-Ph   3885   4-F   SO2Me   4-CHOHME-Ph   3886   4-F   SO2Me   4-E-Ph   3887   4-F   SO2Me   4-E-Ph   3888   4-F   SO2Me   4-E-Ph   3889   4-F   SO2Me   4-BU-Ph   3890   4-F   SO2Me   4-CH2CO2ME-Ph   3891   4-F   SO2Me   4-(1-piperidinyl)-Ph   3892   4-F   SO2Me   4-(1-piperidinyl)-Ph   3893   4-F   SO2Me   4-(1-imidazolyl)-Ph   3894   4-F   SO2Me   4-(1-imidazolyl)-Ph   3895   4-F   SO2Me   4-(1-imidazolyl)-Ph   3896   4-F   SO2Me   4-(3-pyrazolyl)-Ph   3897   4-F   SO2Me   4-(1-pyrazolyl)-Ph   3898   4-F   SO2Me   4-(1-pyrazolyl)-Ph   3896   4-F   SO2Me   4-(1-pyrazolyl)-Ph   3897   4-F   SO2Me   4-(1-pyrazolyl)-Ph   3898   4-F   SO2Me   4-(1-pyrazolyl)-Ph   3899   4-F   SO2Me   4-(1-pyrazolyl)-Ph   3890   4-F   SO2Me   4-(1-me-5-tetrazolyl)-Ph   3901   4-F   SO2Me   4-(2-thienyl)-Ph   3901   4-F   SO2Me   4-(2-thienyl)-Ph   3901   4-F   SO2Me   4-(2-thienyl)-Ph   3903   4-F   SO2Me   4-(2-thienyl)-Ph   3904   4-F   SO2Me   4-(2-thienyl)-Ph   3904   4-F   SO2Me   2-CN-Ph   3905   4-F   SO2Me   2-CN-Ph   3906   4-F   SO2Me   2-COME-Ph   3907   4-F   SO2Me   2-COMH2-Ph   3908   4-F   SO2Me   2-COMH2-Ph   3908   4-F   SO2Me   2-CONH2-Ph   3908   4-F   SO2Me				4-SO2NHMe-Ph
3879   4-F   SO2Me   4-SMe-Ph   3880   4-F   SO2Me   4-SOMe-Ph   3881   4-F   SO2Me   4-SO2Me-Ph   3882   4-F   SO2Me   4-CH2OH-Ph   3883   4-F   SO2Me   4-CH2OH-Ph   3884   4-F   SO2Me   4-CH0HMe-Ph   3885   4-F   SO2Me   4-CH0HMe-Ph   3886   4-F   SO2Me   4-Et-Ph   3887   4-F   SO2Me   4-Et-Ph   3888   4-F   SO2Me   4-Et-Ph   3889   4-F   SO2Me   4-Et-Ph   3890   4-F   SO2Me   4-CH2CO2Me-Ph   3891   4-F   SO2Me   4-(1-piperidinyl)-Ph   3893   4-F   SO2Me   4-(1-piperidinyl)-Ph   3893   4-F   SO2Me   4-(1-piperidinyl)-Ph   3894   4-F   SO2Me   4-(1-imidazolyl)-Ph   3895   4-F   SO2Me   4-(2-imidazolyl)-Ph   3895   4-F   SO2Me   4-(2-thiazolyl)-Ph   3896   4-F   SO2Me   4-(2-thiazolyl)-Ph   3897   4-F   SO2Me   4-(1-pyrazolyl)-Ph   3898   4-F   SO2Me   4-(1-pyrazolyl)-Ph   3898   4-F   SO2Me   4-(1-pyrazolyl)-Ph   3899   4-F   SO2Me   4-(1-midazolyl)-Ph   3899   4-F   SO2Me   4-(1-midazolyl)-Ph   3900   4-F   SO2Me   4-(2-thiazolyl)-Ph   3901   4-F   SO2Me   4-(2-thiazolyl)-Ph   3901   4-F   SO2Me   4-(2-thiazolyl)-Ph   3902   4-F   SO2Me   4-(2-thiazolyl)-Ph   3903   4-F   SO2Me   4-(2-thiazolyl)-Ph   3904   4-F   SO2Me   4-(2-thiazolyl)-Ph   3905   4-F   SO2Me   4-(2-thiazolyl)-Ph   3906   4-F   SO2Me   2-CN-Ph   3906   4-F   SO2Me   2-CN-Ph   3907   4-F   SO2Me   2-COMH2-Ph   3907   4-F   SO2Me   2-COMH2-Ph   3907   4-F   SO2Me   2-CONH2-Ph   3907   4-F   SO2Me   2-CONH2-Ph   3907   4-F   SO2Me   2-CONH2-Ph   3907   4-F   SO2Me   2-CONH2-Ph   3908   4-F   SO2Me   2-CONH2-Ph   3907   4-F   SO2Me   2-CONH2-Ph   3907   4-F   SO2Me   2-CONH2-Ph   3908   4-F   SO2Me   2-CONH2-P			SO2Me	
3880   4-F   SO2Me   4-SOMe-Ph   3881   4-F   SO2Me   4-SO2Me-Ph   3882   4-F   SO2Me   4-CH-Ph   3883   4-F   SO2Me   4-CHOHME-Ph   3884   4-F   SO2Me   4-CHOHME-Ph   3885   4-F   SO2Me   4-CHOHME-Ph   3885   4-F   SO2Me   4-CHOHME-Ph   3886   4-F   SO2Me   4-ET-Ph   3887   4-F   SO2Me   4-ET-Ph   3889   4-F   SO2Me   4-ET-Ph   3890   4-F   SO2Me   4-CH2CO2ME-Ph   3891   4-F   SO2Me   4-(1-piperidinyl)-Ph   3892   4-F   SO2Me   4-(1-piperidinyl)-Ph   3893   4-F   SO2Me   4-(1-piperidinyl)-Ph   3894   4-F   SO2Me   4-(1-imidazolyl)-Ph   3895   4-F   SO2Me   4-(1-imidazolyl)-Ph   3896   4-F   SO2Me   4-(1-pyrazolyl)-Ph   3897   4-F   SO2Me   4-(1-pyrazolyl)-Ph   3898   4-F   SO2Me   4-(1-pyrazolyl)-Ph   3898   4-F   SO2Me   4-(1-pyrazolyl)-Ph   3898   4-F   SO2Me   4-(1-pyrazolyl)-Ph   3899   4-F   SO2Me   4-(1-pyrazolyl)-Ph   3900   4-F   SO2Me   4-(2-thiayl)-Ph   3901   4-F   SO2Me   4-(2-thiayl)-Ph   3901   4-F   SO2Me   4-(2-thiayl)-Ph   3902   4-F   SO2Me   4-(2-thiayl)-Ph   3903   4-F   SO2Me   4-(2-thiayl)-Ph   3904   4-F   SO2Me   4-(2-thiayl)-Ph   3905   4-F   SO2Me   4-(2-thiayl)-Ph   3906   4-F   SO2Me   2-COMP-Ph   3906   4-F   SO2Me   2-COMP-Ph   3907   4-F   SO2Me   2-COMH2-Ph   3908   4-F   SO2Me   2-CONH2-Ph   3908   4-F   SO2Me   2-CONH2-Ph   3907   4-F   SO2Me   2-CONH2-Ph   3908   4-F   SO2M				4-OMe-Ph
3881   4-F   SO2Me   4-SO2Me-Ph   3882   4-F   SO2Me   4-OH-Ph   3883   4-F   SO2Me   4-CHOHME-Ph   3884   4-F   SO2Me   4-CHOHME-Ph   3885   4-F   SO2Me   4-CHOHME-Ph   3886   4-F   SO2Me   4-CHOHME-Ph   3887   4-F   SO2Me   4-Et-Ph   3888   4-F   SO2Me   4-Et-Ph   3889   4-F   SO2Me   4-Et-Ph   3890   4-F   SO2Me   4-CH2CO2Me-Ph   3890   4-F   SO2Me   4-(1-piperidinyl)-Ph   3892   4-F   SO2Me   4-(1-piperidinyl)-Ph   3893   4-F   SO2Me   4-(1-piperidinyl)-Ph   3894   4-F   SO2Me   4-(1-imidazolyl)-Ph   3895   4-F   SO2Me   4-(1-imidazolyl)-Ph   3896   4-F   SO2Me   4-(1-pyrazolyl)-Ph   3897   4-F   SO2Me   4-(1-pyrazolyl)-Ph   3898   4-F   SO2Me   4-(1-pyrazolyl)-Ph   3898   4-F   SO2Me   4-(1-pyrazolyl)-Ph   3898   4-F   SO2Me   4-(1-pyrazolyl)-Ph   3900   4-F   SO2Me   4-(2-thiazolyl)-Ph   3901   4-F   SO2Me   4-(2-thiazolyl)-Ph   3901   4-F   SO2Me   4-(2-thiazolyl)-Ph   3901   4-F   SO2Me   4-(2-thiazolyl)-Ph   3903   4-F   SO2Me   4-(2-thiazolyl)-Ph   3904   4-F   SO2Me   4-(2-thiazolyl)-Ph   3905   4-F   SO2Me   2-CN-Ph   3906   4-F   SO2Me   2-CN-Ph   3906   4-F   SO2Me   2-COME-Ph   3907   4-F   SO2Me   2-COMHZ-Ph   3907   4-F   SO2Me   2-CONHME-Ph   3908   4-F   SO2Me   2-F-Ph	3879		SO2Me	4-SMe-Ph
3882   4-F   SO2Me   4-OH-Ph   3883   4-F   SO2Me   4-CH2OH-Ph   3884   4-F   SO2Me   4-CHOHME-Ph   3885   4-F   SO2Me   4-CHOHME-Ph   3886   4-F   SO2Me   4-Me-Ph   3887   4-F   SO2Me   4-EL-Ph   3888   4-F   SO2Me   4-EL-Ph   3888   4-F   SO2Me   4-EL-Ph   3889   4-F   SO2Me   4-EL-Ph   3890   4-F   SO2Me   4-CH2CO2Me-Ph   3891   4-F   SO2Me   4-(1-piperidinyl)-Ph   3892   4-F   SO2Me   4-(1-piperidinyl)-Ph   3893   4-F   SO2Me   4-(1-piperidinyl)-Ph   3894   4-F   SO2Me   4-(1-imidazolyl)-Ph   3895   4-F   SO2Me   4-(1-imidazolyl)-Ph   3896   4-F   SO2Me   4-(2-thiazolyl)-Ph   3896   4-F   SO2Me   4-(3-pyrazolyl)-Ph   3897   4-F   SO2Me   4-(1-pyrazolyl)-Ph   3898   4-F   SO2Me   4-(1-pyrazolyl)-Ph   3899   4-F   SO2Me   4-(1-me-5-tetrazolyl)-Ph   3900   4-F   SO2Me   4-(2-thianyl)-Ph   3901   4-F   SO2Me   4-(2-thianyl)-Ph   3902   4-F   SO2Me   4-(2-thianyl)-Ph   3903   4-F   SO2Me   4-(2-thianyl)-Ph   3904   4-F   SO2Me   4-(2-thianyl)-Ph   3905   4-F   SO2Me   2-CN-Ph   3906   4-F   SO2Me   2-COMe-Ph   3907   4-F   SO2Me   2-COMe-Ph   3907   4-F   SO2Me   2-COMH2-Ph   3907   4-F   SO2Me   2-COMH2-Ph   3908   4-F   SO2Me   2-CONHME-Ph   3908   4-F   SO2Me   3-CNHME-Ph   3908   4-F   SO2Me   3-CNHME-Ph   3908   3-F	3880		SO2Me	4-SOMe-Ph
3883         4-F         SO2Me         4-CH2OH-Ph           3884         4-F         SO2Me         4-CHOHMe-Ph           3885         4-F         SO2Me         4-CH0HMe)2-Ph           3886         4-F         SO2Me         4-Me-Ph           3887         4-F         SO2Me         4-Et-Ph           3888         4-F         SO2Me         4-iPr-Ph           3889         4-F         SO2Me         4-CH2CO2Me-Ph           3890         4-F         SO2Me         4-(1-piperidinyl)-Ph           3891         4-F         SO2Me         4-(1-piperidinyl)-Ph           3892         4-F         SO2Me         4-(1-piperidinyl)-Ph           3893         4-F         SO2Me         4-(1-piperidinyl)-Ph           3894         4-F         SO2Me         4-(1-piperidinyl)-Ph           3895         4-F         SO2Me         4-(2-imidazolyl)-Ph           3896         4-F         SO2Me         4-(2-thiazolyl)-Ph           3897         4-F         SO2Me         4-(2-thiazolyl)-Ph           3898         4-F         SO2Me         4-(1-pyrazolyl)-Ph           3899         4-F         SO2Me         4-(5-Me-1-tetrazolyl)-Ph           3890 </td <td></td> <td></td> <td>SO2Me</td> <td>4-SO2Me-Ph</td>			SO2Me	4-SO2Me-Ph
3884         4-F         SO2Me         4-CHOHMe-Ph           3885         4-F         SO2Me         4-CHOHMe) 2-Ph           3886         4-F         SO2Me         4-Me-Ph           3887         4-F         SO2Me         4-Et-Ph           3888         4-F         SO2Me         4-IPr-Ph           3890         4-F         SO2Me         4-CH2CO2Me-Ph           3891         4-F         SO2Me         4-(1-piperidinyl)-Ph           3892         4-F         SO2Me         4-(1-piperidinyl)-Ph           3893         4-F         SO2Me         4-(1-piperidinyl)-Ph           3893         4-F         SO2Me         4-(1-piperidinyl)-Ph           3893         4-F         SO2Me         4-(1-piperidinyl)-Ph           3894         4-F         SO2Me         4-(1-piperidinyl)-Ph           3895         4-F         SO2Me         4-(2-imidazolyl)-Ph           3896         4-F         SO2Me         4-(2-thiazolyl)-Ph           3896         4-F         SO2Me         4-(1-piperidinyl)-Ph           3897         4-F         SO2Me         4-(2-thiazolyl)-Ph           3896         4-F         SO2Me         4-(1-piperidinyl)-Ph           <			SO2Me	
3885         4-F         SO2Me         4-Me-Ph           3886         4-F         SO2Me         4-Me-Ph           3887         4-F         SO2Me         4-Et-Ph           3888         4-F         SO2Me         4-iPr-Ph           3889         4-F         SO2Me         4-CH2CO2Me-Ph           3890         4-F         SO2Me         4-(1-piperidinyl)-Ph           3891         4-F         SO2Me         4-(1-piperidinyl)-Ph           3892         4-F         SO2Me         4-(1-piperidinyl)-Ph           3893         4-F         SO2Me         4-(1-piperidinyl)-Ph           3894         4-F         SO2Me         4-(1-piperidinyl)-Ph           3894         4-F         SO2Me         4-(2-imidazolyl)-Ph           3895         4-F         SO2Me         4-(2-thiazolyl)-Ph           3896         4-F         SO2Me         4-(1-pyrazolyl)-Ph           3897         4-F         SO2Me         4-(1-pyrazolyl)-Ph           3898         4-F         SO2Me         4-(1-me-5-tetrazolyl)-Ph           3899         4-F         SO2Me         4-(2-pyridyl)-Ph           3900         4-F         SO2Me         4-(2-thianyl)-Ph           3				
3886         4-F         SO2Me         4-Me-Ph           3887         4-F         SO2Me         4-Et-Ph           3888         4-F         SO2Me         4-iPr-Ph           3889         4-F         SO2Me         4-tBu-Ph           3890         4-F         SO2Me         4-CH2CO2Me-Ph           3891         4-F         SO2Me         4-(1-piperidinyl)-Ph           3892         4-F         SO2Me         4-(1-piyrrolidinyl)-Ph           3893         4-F         SO2Me         4-(2-imidazolyl)-Ph           3894         4-F         SO2Me         4-(1-imidazolyl)-Ph           3895         4-F         SO2Me         4-(2-thiazolyl)-Ph           3896         4-F         SO2Me         4-(3-pyrazolyl)-Ph           3897         4-F         SO2Me         4-(1-pyrazolyl)-Ph           3898         4-F         SO2Me         4-(1-me-5-tetrazolyl)-Ph           3899         4-F         SO2Me         4-(2-pyridyl)-Ph           3900         4-F         SO2Me         4-(2-pyridyl)-Ph           3901         4-F         SO2Me         4-(2-thienyl)-Ph           3903         4-F         SO2Me         2-CN-Ph           3904				
3887         4-F         SO2Me         4-Et-Ph           3888         4-F         SO2Me         4-iPr-Ph           3889         4-F         SO2Me         4-tBu-Ph           3890         4-F         SO2Me         4-CH2CO2Me-Ph           3891         4-F         SO2Me         4-(1-piperidinyl)-Ph           3892         4-F         SO2Me         4-(1-pyrrolidinyl)-Ph           3893         4-F         SO2Me         4-(2-imidazolyl)-Ph           3894         4-F         SO2Me         4-(1-imidazolyl)-Ph           3895         4-F         SO2Me         4-(2-thiazolyl)-Ph           3896         4-F         SO2Me         4-(3-pyrazolyl)-Ph           3897         4-F         SO2Me         4-(5-Me-1-tetrazolyl)-Ph           3898         4-F         SO2Me         4-(5-Me-1-tetrazolyl)-Ph           3899         4-F         SO2Me         4-(1-Me-5-tetrazolyl)-Ph           3900         4-F         SO2Me         4-(2-pyridyl)-Ph           3901         4-F         SO2Me         4-(2-thienyl)-Ph           3902         4-F         SO2Me         2-CN-Ph           3903         4-F         SO2Me         2-COM-Ph           39				
3888         4-F         SO2Me         4-ipr-ph           3899         4-F         SO2Me         4-tBu-ph           3890         4-F         SO2Me         4-CH2CO2Me-Ph           3891         4-F         SO2Me         4-(1-piperidinyl)-Ph           3892         4-F         SO2Me         4-(1-pyrrolidinyl)-Ph           3893         4-F         SO2Me         4-(2-imidazolyl)-Ph           3894         4-F         SO2Me         4-(1-imidazolyl)-Ph           3895         4-F         SO2Me         4-(2-thiazolyl)-Ph           3896         4-F         SO2Me         4-(3-pyrazolyl)-Ph           3897         4-F         SO2Me         4-(1-pyrazolyl)-Ph           3898         4-F         SO2Me         4-(1-me-5-tetrazolyl)-Ph           3899         4-F         SO2Me         4-(2-pyridyl)-Ph           3900         4-F         SO2Me         4-(2-pyridyl)-Ph           3901         4-F         SO2Me         4-(2-thienyl)-Ph           3902         4-F         SO2Me         4-(2-thienyl)-Ph           3903         4-F         SO2Me         2-CN-Ph           3904         4-F         SO2Me         2-COMe-Ph           3905 </td <td></td> <td></td> <td></td> <td>4-Me-Ph</td>				4-Me-Ph
3889         4-F         SO2Me         4-tBu-Ph           3890         4-F         SO2Me         4-CH2CO2Me-Ph           3891         4-F         SO2Me         4-(1-piperidinyl)-Ph           3892         4-F         SO2Me         4-(1-pyrrolidinyl)-Ph           3893         4-F         SO2Me         4-(2-imidazolyl)-Ph           3894         4-F         SO2Me         4-(1-imidazolyl)-Ph           3895         4-F         SO2Me         4-(2-thiazolyl)-Ph           3896         4-F         SO2Me         4-(1-pyrazolyl)-Ph           3897         4-F         SO2Me         4-(1-pyrazolyl)-Ph           3898         4-F         SO2Me         4-(1-me-5-tetrazolyl)-Ph           3899         4-F         SO2Me         4-(2-pyridyl)-Ph           3900         4-F         SO2Me         4-(2-thienyl)-Ph           3901         4-F         SO2Me         4-(2-thienyl)-Ph           3902         4-F         SO2Me         2-CN-Ph           3903         4-F         SO2Me         2-CN-Ph           3904         4-F         SO2Me         2-COMe-Ph           3905         4-F         SO2Me         2-CONH2-Ph           3907				
3890         4-F         SO2Me         4-CH2CO2Me-Ph           3891         4-F         SO2Me         4-(1-piperidinyl)-Ph           3892         4-F         SO2Me         4-(1-pyrrolidinyl)-Ph           3893         4-F         SO2Me         4-(2-imidazolyl)-Ph           3894         4-F         SO2Me         4-(1-imidazolyl)-Ph           3895         4-F         SO2Me         4-(2-thiazolyl)-Ph           3896         4-F         SO2Me         4-(1-pyrazolyl)-Ph           3897         4-F         SO2Me         4-(1-pyrazolyl)-Ph           3898         4-F         SO2Me         4-(5-Me-1-tetrazolyl)-Ph           3899         4-F         SO2Me         4-(1-Me-5-tetrazolyl)-Ph           3900         4-F         SO2Me         4-(2-pyridyl)-Ph           3901         4-F         SO2Me         4-(2-thienyl)-Ph           3902         4-F         SO2Me         4-(2-thienyl)-Ph           3903         4-F         SO2Me         2-CN-Ph           3904         4-F         SO2Me         2-CN-Ph           3905         4-F         SO2Me         2-COMe-Ph           3906         4-F         SO2Me         2-CONH2-Ph           <				
3891       4-F       SO2Me       4-(1-piperidinyl)-Ph         3892       4-F       SO2Me       4-(1-pyrrolidinyl)-Ph         3893       4-F       SO2Me       4-(2-imidazolyl)-Ph         3894       4-F       SO2Me       4-(1-imidazolyl)-Ph         3895       4-F       SO2Me       4-(2-thiazolyl)-Ph         3896       4-F       SO2Me       4-(3-pyrazolyl)-Ph         3897       4-F       SO2Me       4-(1-pyrazolyl)-Ph         3898       4-F       SO2Me       4-(5-Me-1-tetrazolyl)-Ph         3899       4-F       SO2Me       4-(1-Me-5-tetrazolyl)-Ph         3900       4-F       SO2Me       4-(2-pyridyl)-Ph         3901       4-F       SO2Me       4-(2-thienyl)-Ph         3902       4-F       SO2Me       4-(2-furanyl)-Ph         3903       4-F       SO2Me       2-CN-Ph         3904       4-F       SO2Me       2-COMe-Ph         3905       4-F       SO2Me       2-COMH-Ph         3906       4-F       SO2Me       2-CONH2-Ph         3907       4-F       SO2Me       2-CONHMe-Ph         3908       4-F       SO2Me       2-F-Ph				
3892       4-F       SO2Me       4-(1-pyrrolidinyl)-Ph         3893       4-F       SO2Me       4-(2-imidazolyl)-Ph         3894       4-F       SO2Me       4-(1-imidazolyl)-Ph         3895       4-F       SO2Me       4-(2-thiazolyl)-Ph         3896       4-F       SO2Me       4-(3-pyrazolyl)-Ph         3897       4-F       SO2Me       4-(1-pyrazolyl)-Ph         3898       4-F       SO2Me       4-(5-Me-1-tetrazolyl)-Ph         3899       4-F       SO2Me       4-(1-Me-5-tetrazolyl)-Ph         3900       4-F       SO2Me       4-(2-pyridyl)-Ph         3901       4-F       SO2Me       4-(2-thienyl)-Ph         3902       4-F       SO2Me       4-(2-thienyl)-Ph         3903       4-F       SO2Me       2-CN-Ph         3904       4-F       SO2Me       2-COMe-Ph         3905       4-F       SO2Me       2-COMe-Ph         3906       4-F       SO2Me       2-CONH2-Ph         3907       4-F       SO2Me       2-CONHMe-Ph         3908       4-F       SO2Me       2-F-Ph				
3893       4-F       SO2Me       4-(2-imidazolyl)-Ph         3894       4-F       SO2Me       4-(1-imidazolyl)-Ph         3895       4-F       SO2Me       4-(2-thiazolyl)-Ph         3896       4-F       SO2Me       4-(3-pyrazolyl)-Ph         3897       4-F       SO2Me       4-(1-pyrazolyl)-Ph         3898       4-F       SO2Me       4-(5-Me-1-tetrazolyl)-Ph         3899       4-F       SO2Me       4-(1-Me-5-tetrazolyl)-Ph         3900       4-F       SO2Me       4-(2-pyridyl)-Ph         3901       4-F       SO2Me       4-(2-thienyl)-Ph         3902       4-F       SO2Me       4-(2-furanyl)-Ph         3903       4-F       SO2Me       2-CN-Ph         3904       4-F       SO2Me       2-COMe-Ph         3905       4-F       SO2Me       2-COMe-Ph         3906       4-F       SO2Me       2-CONH2-Ph         3907       4-F       SO2Me       2-CONH2-Ph         3908       4-F       SO2Me       2-CONHMe-Ph         3908       4-F       SO2Me       2-F-Ph				
3894         4-F         SO2Me         4-(1-imidazolyl)-Ph           3895         4-F         SO2Me         4-(2-thiazolyl)-Ph           3896         4-F         SO2Me         4-(3-pyrazolyl)-Ph           3897         4-F         SO2Me         4-(1-pyrazolyl)-Ph           3898         4-F         SO2Me         4-(5-Me-1-tetrazolyl)-Ph           3899         4-F         SO2Me         4-(1-Me-5-tetrazolyl)-Ph           3900         4-F         SO2Me         4-(2-pyridyl)-Ph           3901         4-F         SO2Me         4-(2-thienyl)-Ph           3902         4-F         SO2Me         4-(2-furanyl)-Ph           3903         4-F         SO2Me         2-CN-Ph           3904         4-F         SO2Me         2-COMe-Ph           3905         4-F         SO2Me         2-COMe-Ph           3906         4-F         SO2Me         2-CONH2-Ph           3907         4-F         SO2Me         2-CONHMe-Ph           3908         4-F         SO2Me         2-F-Ph				
3895       4-F       SO2Me       4-(2-thiazolyl)-Ph         3896       4-F       SO2Me       4-(3-pyrazolyl)-Ph         3897       4-F       SO2Me       4-(1-pyrazolyl)-Ph         3898       4-F       SO2Me       4-(5-Me-1-tetrazolyl)-Ph         3899       4-F       SO2Me       4-(1-Me-5-tetrazolyl)-Ph         3900       4-F       SO2Me       4-(2-pyridyl)-Ph         3901       4-F       SO2Me       4-(2-thienyl)-Ph         3902       4-F       SO2Me       4-(2-furanyl)-Ph         3903       4-F       SO2Me       2-CN-Ph         3904       4-F       SO2Me       2-COMe-Ph         3905       4-F       SO2Me       2-COMe-Ph         3906       4-F       SO2Me       2-CONH2-Ph         3907       4-F       SO2Me       2-CONHMe-Ph         3908       4-F       SO2Me       2-F-Ph				<del>                                     </del>
3896       4-F       SO2Me       4-(3-pyrazolyl)-Ph         3897       4-F       SO2Me       4-(1-pyrazolyl)-Ph         3898       4-F       SO2Me       4-(5-Me-1-tetrazolyl)-Ph         3899       4-F       SO2Me       4-(1-Me-5-tetrazolyl)-Ph         3900       4-F       SO2Me       4-(2-pyridyl)-Ph         3901       4-F       SO2Me       4-(2-thienyl)-Ph         3902       4-F       SO2Me       4-(2-furanyl)-Ph         3903       4-F       SO2Me       2-CN-Ph         3904       4-F       SO2Me       2-COMe-Ph         3905       4-F       SO2Me       2-COMe-Ph         3906       4-F       SO2Me       2-CONH2-Ph         3907       4-F       SO2Me       2-CONHMe-Ph         3908       4-F       SO2Me       2-F-Ph				
3897         4-F         SO2Me         4-(1-pyrazolyl)-Ph           3898         4-F         SO2Me         4-(5-Me-1-tetrazolyl)-Ph           3899         4-F         SO2Me         4-(1-Me-5-tetrazolyl)-Ph           3900         4-F         SO2Me         4-(2-pyridyl)-Ph           3901         4-F         SO2Me         4-(2-thienyl)-Ph           3902         4-F         SO2Me         4-(2-furanyl)-Ph           3903         4-F         SO2Me         2-CN-Ph           3904         4-F         SO2Me         2-COMe-Ph           3905         4-F         SO2Me         2-COMe-Ph           3906         4-F         SO2Me         2-CONH2-Ph           3907         4-F         SO2Me         2-CONHMe-Ph           3908         4-F         SO2Me         2-F-Ph				
3898       4-F       SO2Me       4-(5-Me-1-tetrazoly1)-Ph         3899       4-F       SO2Me       4-(1-Me-5-tetrazoly1)-Ph         3900       4-F       SO2Me       4-(2-pyridy1)-Ph         3901       4-F       SO2Me       4-(2-thieny1)-Ph         3902       4-F       SO2Me       2-CN-Ph         3903       4-F       SO2Me       2-CN-Ph         3904       4-F       SO2Me       2-COMe-Ph         3905       4-F       SO2Me       2-CONH2-Ph         3906       4-F       SO2Me       2-CONH2-Ph         3907       4-F       SO2Me       2-CONHMe-Ph         3908       4-F       SO2Me       2-F-Ph				
3899       4-F       SO2Me       4-(1-Me-5-tetrazolyl)-Ph         3900       4-F       SO2Me       4-(2-pyridyl)-Ph         3901       4-F       SO2Me       4-(2-thienyl)-Ph         3902       4-F       SO2Me       4-(2-furanyl)-Ph         3903       4-F       SO2Me       2-CN-Ph         3904       4-F       SO2Me       2-COMe-Ph         3905       4-F       SO2Me       2-COMe-Ph         3906       4-F       SO2Me       2-CONH2-Ph         3907       4-F       SO2Me       2-CONHMe-Ph         3908       4-F       SO2Me       2-F-Ph				
3900       4-F       SO2Me       4-(2-pyridy1)-Ph         3901       4-F       SO2Me       4-(2-thieny1)-Ph         3902       4-F       SO2Me       4-(2-furany1)-Ph         3903       4-F       SO2Me       2-CN-Ph         3904       4-F       SO2Me       2-COMe-Ph         3905       4-F       SO2Me       2-CO2Me-Ph         3906       4-F       SO2Me       2-CONH2-Ph         3907       4-F       SO2Me       2-CONHMe-Ph         3908       4-F       SO2Me       2-F-Ph				
3901     4-F     SO2Me     4-(2-thieny1)-Ph       3902     4-F     SO2Me     4-(2-furany1)-Ph       3903     4-F     SO2Me     2-CN-Ph       3904     4-F     SO2Me     2-COMe-Ph       3905     4-F     SO2Me     2-CO2Me-Ph       3906     4-F     SO2Me     2-CONH2-Ph       3907     4-F     SO2Me     2-CONHMe-Ph       3908     4-F     SO2Me     2-F-Ph	3899			
3902     4-F     SO2Me     4-(2-furany1)-Ph       3903     4-F     SO2Me     2-CN-Ph       3904     4-F     SO2Me     2-COMe-Ph       3905     4-F     SO2Me     2-CO2Me-Ph       3906     4-F     SO2Me     2-CONH2-Ph       3907     4-F     SO2Me     2-CONHMe-Ph       3908     4-F     SO2Me     2-F-Ph				
3903     4-F     SO2Me     2-CN-Ph       3904     4-F     SO2Me     2-COMe-Ph       3905     4-F     SO2Me     2-CO2Me-Ph       3906     4-F     SO2Me     2-CONH2-Ph       3907     4-F     SO2Me     2-CONHMe-Ph       3908     4-F     SO2Me     2-F-Ph				
3904     4-F     SO2Me     2-COMe-Ph       3905     4-F     SO2Me     2-CO2Me-Ph       3906     4-F     SO2Me     2-CONH2-Ph       3907     4-F     SO2Me     2-CONHMe-Ph       3908     4-F     SO2Me     2-F-Ph				
3905       4-F       SO2Me       2-CO2Me-Ph         3906       4-F       SO2Me       2-CONH2-Ph         3907       4-F       SO2Me       2-CONHMe-Ph         3908       4-F       SO2Me       2-F-Ph		4-F		
3906       4-F       SO2Me       2-CONH2-Ph         3907       4-F       SO2Me       2-CONHMe-Ph         3908       4-F       SO2Me       2-F-Ph		4-F		
3907 4-F SO2Me 2-CONHMe-Ph 3908 4-F SO2Me 2-F-Ph		4-F		
3908 4-F SO2Me 2-F-Ph		4-F		
			SO2Me	
3909   4-F   SO2Me   2-C1-Ph	3908	4-F	SO2Me	
	3909	4-F	SO2Me	2-C1-Ph

3910   4-F   SOZME   2-Br-Ph   3911   4-F   SOZME   2-SOZNH2-Ph   3912   4-F   SOZME   2-SOZNHME-Ph   3913   4-F   SOZME   2-CF3-Ph   3914   4-F   SOZME   2-CF3-Ph   3915   4-F   SOZME   2-SME-Ph   3915   4-F   SOZME   2-SME-Ph   3916   4-F   SOZME   2-SME-Ph   3917   4-F   SOZME   2-SOZME-Ph   3917   4-F   SOZME   2-SOZME-Ph   3918   4-F   SOZME   2-CHZCH-Ph   3920   4-F   SOZME   2-CHZCH-Ph   3920   4-F   SOZME   2-CHZCH-Ph   3921   4-F   SOZME   2-CHCHME-Ph   3922   4-F   SOZME   2-ET-Ph   3922   4-F   SOZME   2-ET-Ph   3923   4-F   SOZME   2-ET-Ph   3924   4-F   SOZME   2-ET-Ph   3925   4-F   SOZME   2-CHZCOZME-Ph   3925   4-F   SOZME   2-CHZCOZME-Ph   3926   4-F   SOZME   2-(1-piperidinyl)-Ph   3927   4-F   SOZME   2-(1-piperidinyl)-Ph   3928   4-F   SOZME   2-(1-piperidinyl)-Ph   3929   4-F   SOZME   2-(1-piperidinyl)-Ph   3930   4-F   SOZME   2-(1-imidazolyl)-Ph   3931   4-F   SOZME   2-(1-imidazolyl)-Ph   3931   4-F   SOZME   2-(1-imidazolyl)-Ph   3933   4-F   SOZME   2-(1-piperidinyl)-Ph   3934   4-F   SOZME   2-(1-piperidinyl)-Ph   3935   4-F   SOZME   2-(1-piperidinyl)-Ph   3936   4-F   SOZME   2-(2-thiazolyl)-Ph   3937   4-F   SOZME   2-(2-thiazolyl)-Ph   3938   4-F   SOZME   2-(2-thiazolyl)-Ph   3939   4-F   SOZME   2-(2-thiazolyl)-Ph   3934   4-F   SOZME   2-(2-piperidinyl)-Ph   3936   4-F   SOZME   2-(2-piperidinyl)-Ph   3937   4-F   SOZME   2-(1-ME-5-tetrazolyl)-Ph   3938   4-F   SOZME   2-(2-piperidinyl)-Ph   3939   4-F   SOZME   2-(3-piperidinyl)-Ph   3939   4-F   SOZME   3-(3-piperidinyl)-Ph   3939   4-F   SOZME   3-(3-piperidinyl)-Ph   3939   4-F   SOZME   3-(3-piperidinyl)-Ph   3939   4-F   SOZME   3				• · · · · · · · · · · · · · · · · · · ·
3912			SO2Me	2-Br-Ph
3913			SO2Me	
3914   4-F   SO2Me   2-SMe-Ph   3915   4-F   SO2Me   2-SMe-Ph   3916   4-F   SO2Me   2-SOMe-Ph   3917   4-F   SO2Me   2-SO2Me-Ph   3918   4-F   SO2Me   2-GOH-Ph   3918   4-F   SO2Me   2-CH-Ph   3919   4-F   SO2Me   2-CHOHME-Ph   3920   4-F   SO2Me   2-CHOHME-Ph   3920   4-F   SO2Me   2-CHOHME-Ph   3921   4-F   SO2Me   2-ME-Ph   3923   4-F   SO2Me   2-ET-Ph   3924   4-F   SO2Me   2-ET-Ph   3925   4-F   SO2Me   2-IPT-Ph   3926   4-F   SO2Me   2-IPT-Ph   3927   4-F   SO2Me   2-IPT-Ph   3928   4-F   SO2Me   2-(1-piperidiny1)-Ph   3929   4-F   SO2Me   2-(1-piperidiny1)-Ph   3929   4-F   SO2Me   2-(1-imidazoly1)-Ph   3930   4-F   SO2Me   2-(1-imidazoly1)-Ph   3931   4-F   SO2Me   2-(1-pyrazoly1)-Ph   3931   4-F   SO2Me   2-(1-pyrazoly1)-Ph   3933   4-F   SO2Me   2-(1-pyrazoly1)-Ph   3934   4-F   SO2Me   2-(1-pyrazoly1)-Ph   3935   4-F   SO2Me   2-(1-pyrazoly1)-Ph   3936   4-F   SO2Me   2-(1-me-5-tetrazoly1)-Ph   3936   4-F   SO2Me   2-(1-me-5-tetrazoly1)-Ph   3936   4-F   SO2Me   2-(1-me-5-tetrazoly1)-Ph   3937   4-F   SO2Me   2-(1-me-5-tetrazoly1)-Ph   3938   4-F   SO2Me   2-(2-thieny1)-Ph   3939   4-F   SO2Me   2-(2-thieny1)-Ph   3930   4-F   SO2Me   2-(2-thieny1)-Ph   3930   4-F   SO2Me   2-(2-thieny1)-Ph   3931   4-F   SO2Me   2-(2-thieny1)-Ph   3934   4-F   SO2Me   2-(2-thieny1)-Ph   3935   4-F   SO2Me   2-(2-thieny1)-Ph   3936   4-F   SO2Me   2-(2-thieny1)-Ph   3937   4-F   SO2Me   2-(2-thieny1)-Ph   3938   4-F   SO2Me   2-(2-thieny1)-Ph   3939   4-F   SO2Me   2-(2-thieny1)-Ph   3940   4-F   SO2Me   2-(2-thieny1)-Ph   3940   4-F   SO2Me   3-(3-diF-Ph   3941   4-F   SO2Me   3-(3-diF-Ph   3942   4-F   SO2Me   3-(3-diF-Ph   3944   4-F   SO2Me   3-(3-diF-Ph   3944   4-F   SO2Me   3-(3-diF-Ph   3944   4-F   SO2Me   3-(3-diF-Ph   3944   4-F   SO2Me   3-(3-diF-Ph   3945   4-F   SO2Me   3-(3-diF-Ph   3946   4-F   SO2Me   3-(3-diF-Ph   3946   4-F   SO2Me   3-(3-diF-Ph   3946   4-F   SO2Me   3-(3-diF-Ph   3946   4-F   SO2Me   3-(3-diF-Ph   3950   4-F   SO2Me   3-(3-diF-Ph   3950   4-F   SO2Me   3-(3-diF-Ph   3950   4-F			SO2Me	2-SO2NHMe-Ph
3915   4-F   SO2Me   2-SOMe-Ph   3916   4-F   SO2Me   2-SOMe-Ph   3917   4-F   SO2Me   2-SOME-Ph   3918   4-F   SO2Me   2-GH2OH-Ph   3918   4-F   SO2Me   2-GH2OH-Ph   3920   4-F   SO2Me   2-CH2OH-Ph   3920   4-F   SO2Me   2-CH2OH-Ph   3921   4-F   SO2Me   2-CH0HMe-Ph   3922   4-F   SO2Me   2-EE-Ph   3923   4-F   SO2Me   2-EE-Ph   3924   4-F   SO2Me   2-EE-Ph   3925   4-F   SO2Me   2-CH2CO2Me-Ph   3926   4-F   SO2Me   2-CH2CO2Me-Ph   3927   4-F   SO2Me   2-(1-piperidinyl)-Ph   3928   4-F   SO2Me   2-(1-piperidinyl)-Ph   3929   4-F   SO2Me   2-(1-pindazolyl)-Ph   3930   4-F   SO2Me   2-(1-imidazolyl)-Ph   3931   4-F   SO2Me   2-(1-imidazolyl)-Ph   3931   4-F   SO2Me   2-(1-imidazolyl)-Ph   3931   4-F   SO2Me   2-(1-pirazolyl)-Ph   3933   4-F   SO2Me   2-(1-pirazolyl)-Ph   3934   4-F   SO2Me   2-(1-pirazolyl)-Ph   3935   4-F   SO2Me   2-(1-pirazolyl)-Ph   3936   4-F   SO2Me   2-(1-pirazolyl)-Ph   3937   4-F   SO2Me   2-(1-pirazolyl)-Ph   3938   4-F   SO2Me   2-(1-pirazolyl)-Ph   3939   4-F   SO2Me   2-(1-pirazolyl)-Ph   3939   4-F   SO2Me   2-(1-pirazolyl)-Ph   3939   4-F   SO2Me   2-(2-thienyl)-Ph   3940   4-F   SO2Me   2-(3-fiF-Ph   3940   4-F   SO2Me   2-(3-fiF-Ph   3941   4-F   SO2Me   2-(3-fiF-Ph   3942   4-F   SO2Me   3-(3-fiF-Ph   3944   4-F   SO2Me   3-(3-fiF-Ph   3945   4-F   SO2Me   3-(3-fiF-Ph   3946   4-F   SO2Me   3-(3-fiF-Ph   3950   4-F   SO2Me   3-(3-fiF	3913	4-F	SO2Me	2-CF3-Ph
3916   4-F   SO2Me   2-SO2Me-Ph   3917   4-F   SO2Me   2-SO2Me-Ph   3918   4-F   SO2Me   2-CH2OH-Ph   3919   4-F   SO2Me   2-CH2OH-Ph   3920   4-F   SO2Me   2-CH0MMe-Ph   3921   4-F   SO2Me   2-CH0MMe-Ph   3922   4-F   SO2Me   2-Me-Ph   3922   4-F   SO2Me   2-EE-Ph   3923   4-F   SO2Me   2-EE-Ph   3924   4-F   SO2Me   2-EE-Ph   3925   4-F   SO2Me   2-IBU-Ph   3926   4-F   SO2Me   2-IBU-Ph   3927   4-F   SO2Me   2-(1-piperidinyl)-Ph   3928   4-F   SO2Me   2-(1-piperidinyl)-Ph   3928   4-F   SO2Me   2-(1-piperidinyl)-Ph   3930   4-F   SO2Me   2-(2-imidazolyl)-Ph   3931   4-F   SO2Me   2-(2-imidazolyl)-Ph   3933   4-F   SO2Me   2-(1-pyrazolyl)-Ph   3933   4-F   SO2Me   2-(1-pyrazolyl)-Ph   3934   4-F   SO2Me   2-(1-pyrazolyl)-Ph   3935   4-F   SO2Me   2-(1-pyrazolyl)-Ph   3936   4-F   SO2Me   2-(1-me-5-tetrazolyl)-Ph   3937   4-F   SO2Me   2-(1-me-5-tetrazolyl)-Ph   3938   4-F   SO2Me   2-(1-me-5-tetrazolyl)-Ph   3937   4-F   SO2Me   2-(1-me-5-tetrazolyl)-Ph   3938   4-F   SO2Me   2-(2-thienyl)-Ph   3939   4-F   SO2Me   2-(2-thienyl)-Ph   3939   4-F   SO2Me   2-(2-thienyl)-Ph   3939   4-F   SO2Me   2-(2-thienyl)-Ph   3940   4-F   SO2Me   2-(2-thienyl)-Ph   3940   4-F   SO2Me   2-(2-thienyl)-Ph   3940   4-F   SO2Me   2-(3-pyridyl)-Ph   3940   4-F   SO2Me   3,4-diF-Ph   3941   4-F   SO2Me   3,5-diF-Ph   3944   4-F   SO2Me   3,5-diF-Ph   3944   4-F   SO2Me   3,5-diF-Ph   3944   4-F   SO2Me   3,5-diF-Ph   3945   4-F   SO2Me   3,5-diF-Ph   3946   4-F   SO2Me   3,5-diF-Ph   3947   4-F   SO2Me   3,5-diF-Ph   3948   4-F   SO2Me   3,5-diF-Ph   3950   4-F	3914	4-F	SO2Me	2-OMe-Ph
3916	3915	4-F	SO2Me	2-SMe-Ph
3918   4-F   SOZME   2-SOZME-Ph   3918   4-F   SOZME   2-CH-Ph   3919   4-F   SOZME   2-CH2OH-Ph   3920   4-F   SOZME   2-CHOHME-Ph   3921   4-F   SOZME   2-CHOHME-Ph   3921   4-F   SOZME   2-CHCHME-Ph   3922   4-F   SOZME   2-ME-Ph   3923   4-F   SOZME   2-ME-Ph   3924   4-F   SOZME   2-ME-Ph   3925   4-F   SOZME   2-IBU-Ph   3926   4-F   SOZME   2-CHZCOZME-Ph   3927   4-F   SOZME   2-(1-piperidinyl)-Ph   3928   4-F   SOZME   2-(1-piperidinyl)-Ph   3929   4-F   SOZME   2-(1-piperidinyl)-Ph   3929   4-F   SOZME   2-(1-imidazolyl)-Ph   3930   4-F   SOZME   2-(2-imidazolyl)-Ph   3931   4-F   SOZME   2-(2-thiazolyl)-Ph   3932   4-F   SOZME   2-(1-piperidinyl)-Ph   3931   4-F   SOZME   2-(1-piperidinyl)-Ph   3932   4-F   SOZME   2-(1-piperidinyl)-Ph   3934   4-F   SOZME   2-(1-piperidinyl)-Ph   3935   4-F   SOZME   2-(1-piperidinyl)-Ph   3936   4-F   SOZME   2-(1-piperidinyl)-Ph   3936   4-F   SOZME   2-(1-piperidinyl)-Ph   3937   4-F   SOZME   2-(1-me-5-tetrazolyl)-Ph   3938   4-F   SOZME   2-(1-me-5-tetrazolyl)-Ph   3939   4-F   SOZME   2-(2-firanyl)-Ph   3939   4-F   SOZME   2-(2-firanyl)-Ph   3939   4-F   SOZME   2-(2-firanyl)-Ph   3940   4-F   SOZME   2-(3-fi-Ph   3941   4-F   SOZME   2-(3-fi-Ph   3941   4-F   SOZME   2-(3-fi-Ph   3944   4-F   SOZME   2-(3-fi-Ph   3944   4-F   SOZME   3-(3-fi-Ph   3945   4-F   SOZME   3-(3-fi-Ph   3950   4-F   SOZME   3-(3-fi-Ph   3955   4-F   SOZME   3-(3-fi-Ph   3956   4-F   SOZME   3-(3-fi-Ph   3958   4-F   SOZME   3-(3-fi-Ph   3956   4-F   SOZME   3-(3-fi-Ph   3956   4-F   SOZME   3-(3-fi-Ph   3956   4-F	3916			<del></del>
3918				
3919				
3920   4-F   SO2Me   2-CHOHME-Ph   3921   4-F   SO2Me   2-COH (Me) 2-Ph   3922   4-F   SO2Me   2-Me-Ph   3923   4-F   SO2Me   2-Et-Ph   3924   4-F   SO2Me   2-IPT-Ph   3924   4-F   SO2Me   2-IPT-Ph   3926   4-F   SO2Me   2-CH2CO2Me-Ph   3927   4-F   SO2Me   2-(1-piperidinyl)-Ph   3928   4-F   SO2Me   2-(1-piperidinyl)-Ph   3929   4-F   SO2Me   2-(1-imidazolyl)-Ph   3930   4-F   SO2Me   2-(1-imidazolyl)-Ph   3931   4-F   SO2Me   2-(1-imidazolyl)-Ph   3932   4-F   SO2Me   2-(1-imidazolyl)-Ph   3933   4-F   SO2Me   2-(3-pyrazolyl)-Ph   3934   4-F   SO2Me   2-(1-pyrazolyl)-Ph   3935   4-F   SO2Me   2-(1-pyrazolyl)-Ph   3936   4-F   SO2Me   2-(1-me-5-tetrazolyl)-Ph   3937   4-F   SO2Me   2-(1-Me-5-tetrazolyl)-Ph   3938   4-F   SO2Me   2-(2-thienyl)-Ph   3939   4-F   SO2Me   2-(2-thienyl)-Ph   3940   4-F   SO2Me   2-(3-dif-Ph   3941   4-F   SO2Me   2, 4-dif-Ph   3942   4-F   SO2Me   2, 5-dif-Ph   3942   4-F   SO2Me   2, 5-dif-Ph   3943   4-F   SO2Me   3, 4-dif-Ph   3944   4-F   SO2Me   3, 4-dif-Ph   3945   4-F   SO2Me   3, 5-dif-Ph   3946   4-F   SO2Me   3, 5-dif-Ph   3947   4-F   SO2Me   3, 5-dif-Ph   3948   4-F   SO2Me   3, 5-dif-Ph   3950   4-F   SO2Me   3, 5-dif-Ph   3950   4-F   SO2Me   3, 5-dif-Ph   3951   4-F   SO2Me   3, 5-dif-Ph   3955   4-F   SO2Me   3, 5-dif-Ph   3955   4-F   SO2Me   3, 5-dif-Ph   3956   4-F   SO2Me   3, 5-dif-Ph   3956   4-F   SO2Me   3, 5-dif-Ph   3957   4-F   SO2Me   3, 5-dif-Ph   3958   4-F   SO2Me   3, 5-dif-Ph   3958   4-F   SO2Me   3, 4-dif-Ph   3959   4-F   SO2Me   2-me-0-5-CONH2-Ph   3956   4-F   SO2Me   2-me-0-5-CONH2-Ph   3956   4-F   SO2Me   2-				<u> </u>
3921   4-F   SO2Me   2-COH(Me)2-Ph   3922   4-F   SO2Me   2-Me-Ph   3923   4-F   SO2Me   2-Et-Ph   3924   4-F   SO2Me   2-Et-Ph   3925   4-F   SO2Me   2-Et-Ph   3925   4-F   SO2Me   2-CH2CO2Me-Ph   3926   4-F   SO2Me   2-CH2CO2Me-Ph   3927   4-F   SO2Me   2-(1-piperidiny1)-Ph   3928   4-F   SO2Me   2-(1-piperidiny1)-Ph   3938   4-F   SO2Me   2-(1-midazoly1)-Ph   3930   4-F   SO2Me   2-(1-midazoly1)-Ph   3931   4-F   SO2Me   2-(1-midazoly1)-Ph   3931   4-F   SO2Me   2-(1-pyrazoly1)-Ph   3933   4-F   SO2Me   2-(1-pyrazoly1)-Ph   3934   4-F   SO2Me   2-(1-pyrazoly1)-Ph   3935   4-F   SO2Me   2-(1-me-5-tetrazoly1)-Ph   3936   4-F   SO2Me   2-(1-me-5-tetrazoly1)-Ph   3937   4-F   SO2Me   2-(2-pyridy1)-Ph   3938   4-F   SO2Me   2-(2-pyridy1)-Ph   3939   4-F   SO2Me   2-(2-thieny1)-Ph   3940   4-F   SO2Me   2-(2-thieny1)-Ph   3941   4-F   SO2Me   2-(2-thieny1)-Ph   3942   4-F   SO2Me   2-(2-thieny1)-Ph   3944   4-F   SO2Me   2-(3-dif-Ph   3944   4-F   SO2Me   3-(3-dif-Ph   3944   4-F   SO2Me   3-(3-dif-Ph   3945   4-F   SO2Me   3-(3-dif-Ph   3946   4-F   SO2Me   3-(3-dif-Ph   3947   4-F   SO2Me   3-(3-dif-Ph   3948   4-F   SO2Me   3-(3-dif-Ph   3948   4-F   SO2Me   3-(3-dif-Ph   3951   4-F   SO2Me   3-(3-dif-Ph   3951   4-F   SO2Me   3-(3-dif-Ph   3952   4-F   SO2Me   3-(3-dif-Ph   3953   4-F   SO2Me   3-(3-dif-Ph   3953   4-F   SO2Me   3-(3-dif-Ph   3955   4-F   SO2Me   3-(3-dif-Ph   3956   4-F   SO2Me   3-(3-di			<del></del>	
3922   4-F   SO2Me   2-Me-Ph   3923   4-F   SO2Me   2-Et-Ph   3924   4-F   SO2Me   2-Et-Ph   3925   4-F   SO2Me   2-CH2CO2Me-Ph   3926   4-F   SO2Me   2-CH2CO2Me-Ph   3927   4-F   SO2Me   2-(1-piperidinyl)-Ph   3928   4-F   SO2Me   2-(1-piperidinyl)-Ph   3928   4-F   SO2Me   2-(1-piperidinyl)-Ph   3928   4-F   SO2Me   2-(1-midazolyl)-Ph   3930   4-F   SO2Me   2-(2-imidazolyl)-Ph   3931   4-F   SO2Me   2-(1-imidazolyl)-Ph   3931   4-F   SO2Me   2-(1-imidazolyl)-Ph   3932   4-F   SO2Me   2-(1-piperiolinyl)-Ph   3933   4-F   SO2Me   2-(1-piperiolinyl)-Ph   3934   4-F   SO2Me   2-(1-piperiolinyl)-Ph   3935   4-F   SO2Me   2-(1-me-5-tetrazolyl)-Ph   3936   4-F   SO2Me   2-(1-Me-5-tetrazolyl)-Ph   3937   4-F   SO2Me   2-(2-piperiolinyl)-Ph   3938   4-F   SO2Me   2-(2-thienyl)-Ph   3939   4-F   SO2Me   2-(2-thienyl)-Ph   3939   4-F   SO2Me   2-(2-thienyl)-Ph   3940   4-F   SO2Me   2-(2-thienyl)-Ph   3941   4-F   SO2Me   2-(2-furanyl)-Ph   3942   4-F   SO2Me   2-(3-dif-Ph   3942   4-F   SO2Me   3-(3-dif-Ph   3944   4-F   SO2Me   3-(3-dif-Ph   3944   4-F   SO2Me   3-(3-dif-Ph   3944   4-F   SO2Me   3-(3-dif-Ph   3944   4-F   SO2Me   3-(3-dif-Ph   3945   4-F   SO2Me   3-(3-dif-Ph   3946   4-F   SO2Me   3-(3-dif-Ph   3947   4-F   SO2Me   3-(3-dif-Ph   3948   4-F   SO2Me   3-(3-dif-Ph   3949   4-F   SO2Me   3-(3-dif-Ph   3949   4-F   SO2Me   3-(3-dif-Ph   3950   4-F				
3923   4-F   SO2Me				
3924   4-F   SO2Me				
3925   4-F   SO2Me   2-CH2CO2Me-Ph   3926   4-F   SO2Me   2-CH2CO2Me-Ph   3927   4-F   SO2Me   2-(1-piperidinyl)-Ph   3928   4-F   SO2Me   2-(1-piperidinyl)-Ph   3928   4-F   SO2Me   2-(2-imidazolyl)-Ph   3930   4-F   SO2Me   2-(2-imidazolyl)-Ph   3931   4-F   SO2Me   2-(2-thiazolyl)-Ph   3931   4-F   SO2Me   2-(2-thiazolyl)-Ph   3932   4-F   SO2Me   2-(1-pyrazolyl)-Ph   3933   4-F   SO2Me   2-(1-pyrazolyl)-Ph   3935   4-F   SO2Me   2-(1-me-5-tetrazolyl)-Ph   3935   4-F   SO2Me   2-(1-Me-5-tetrazolyl)-Ph   3936   4-F   SO2Me   2-(2-thianyl)-Ph   3937   4-F   SO2Me   2-(2-thianyl)-Ph   3939   4-F   SO2Me   2-(2-thianyl)-Ph   3939   4-F   SO2Me   2-(2-thianyl)-Ph   3939   4-F   SO2Me   2-(2-thianyl)-Ph   3939   4-F   SO2Me   2-(2-thianyl)-Ph   3941   4-F   SO2Me   2-(3-thianyl)-Ph   3941   4-F   SO2Me   2-(3-thianyl)-Ph   3944   4-F   SO2Me   3-(3-thi-Ph   3944   4-F   SO2Me   3				
3926   4-F   SO2Me   2-(1-piperidinyl)-Ph   3927   4-F   SO2Me   2-(1-piperidinyl)-Ph   3929   4-F   SO2Me   2-(1-piperidinyl)-Ph   3929   4-F   SO2Me   2-(2-imidazolyl)-Ph   3930   4-F   SO2Me   2-(2-imidazolyl)-Ph   3931   4-F   SO2Me   2-(2-thiazolyl)-Ph   3931   4-F   SO2Me   2-(2-thiazolyl)-Ph   3933   4-F   SO2Me   2-(3-pyrazolyl)-Ph   3933   4-F   SO2Me   2-(1-pyrazolyl)-Ph   3934   4-F   SO2Me   2-(1-Me-5-tetrazolyl)-Ph   3935   4-F   SO2Me   2-(1-Me-5-tetrazolyl)-Ph   3937   4-F   SO2Me   2-(2-pyridyl)-Ph   3938   4-F   SO2Me   2-(2-pyridyl)-Ph   3939   4-F   SO2Me   2-(2-thienyl)-Ph   3939   4-F   SO2Me   2-(2-thienyl)-Ph   3939   4-F   SO2Me   2-(2-thienyl)-Ph   3941   4-F   SO2Me   2-(3-dif-Ph   3941   4-F   SO2Me   2-(3-dif-Ph   3942   4-F   SO2Me   3-(3-dif-Ph   3944   4-F   SO2Me   3-(3-dif-Ph   3944   4-F   SO2Me   3-(3-dif-Ph   3944   4-F   SO2Me   3-(3-dif-Ph   3945   4-F   SO2Me   3-(3-dif-Ph   3946   4-F   SO2Me   3-(3-dif-Ph   3946   4-F   SO2Me   3-(3-dif-Ph   3946   4-F   SO2Me   3-(3-dif-Ph   3948   4-F   SO2Me   3-(3-dif-Ph   3950   4-F   SO2Me   3-(3-dif-Ph   3950   4-F   SO2Me   3-(3-dif-3-Ph   3950   4-F   SO2Me   3-(3-dif-3-Ph   3950   4-F   SO2Me   3-(3-dif-3-Ph   3953   4-F   SO2Me   3-(3-dif-3-Ph   3953   4-F   SO2Me   3-(3-dif-3-Ph   3954   4-F   SO2Me   3-(3-dif-3-Ph   3955   4-F   SO2Me   3-(3-dif-3-Ph   3955   4-F   SO2Me   3-(3-dif-3-Ph   3955   4-F   SO2Me   3-(3-dif-3-Ph   3955   4-F   SO2Me   3-(3-dif-3-Ph   3956   4-F   SO2M				
3927   4-F   SO2Me				
3928   4-F   SO2Me   2-(1-pyrrolidiny1)-Ph   3929   4-F   SO2Me   2-(2-imidazoly1)-Ph   3930   4-F   SO2Me   2-(1-imidazoly1)-Ph   3931   4-F   SO2Me   2-(2-thiazoly1)-Ph   3932   4-F   SO2Me   2-(3-pyrazoly1)-Ph   3932   4-F   SO2Me   2-(1-pyrazoly1)-Ph   3933   4-F   SO2Me   2-(1-pyrazoly1)-Ph   3934   4-F   SO2Me   2-(1-pyrazoly1)-Ph   3935   4-F   SO2Me   2-(1-Me-5-tetrazoly1)-Ph   3936   4-F   SO2Me   2-(2-pyridy1)-Ph   3937   4-F   SO2Me   2-(2-thieny1)-Ph   39397   4-F   SO2Me   2-(2-thieny1)-Ph   39399   4-F   SO2Me   2-(2-thieny1)-Ph   39399   4-F   SO2Me   2-(2-thieny1)-Ph   39391   4-F   SO2Me   2-(2-thieny1)-Ph   3940   4-F   SO2Me   2-(3-diF-Ph   3941   4-F   SO2Me   2-(3-diF-Ph   3942   4-F   SO2Me   3-(3-diF-Ph   3943   4-F   SO2Me   3-(3-diF-Ph   3944   4-F   SO2Me   3-(3-diF-Ph   3945   4-F   SO2Me   3-(3-diC1-Ph   3945   4-F   SO2Me   2-(3-diC1-Ph   3946   4-F   SO2Me   2-(3-diC1-Ph   3947   4-F   SO2Me   3-(3-diC1-Ph   3948   4-F   SO2Me   3-(3-diC1-Ph   3949   4-F   SO2Me   3-(3-diC1-Ph   3950   4-F   SO2Me   3-(3-diCF3-Ph   3950   4-F   SO2Me   3-(3-diCF3-Ph   3951   4-F   SO2Me   3-(3-diCF3-Ph   3951   4-F   SO2Me   3-(3-diCF3-Ph   3953   4-F   SO2Me   3-(3-diCF3-Ph   3955   4-F   SO2Me   3-(3-diCF3-Ph   3955   4-F   SO2Me   3-(3-diCF3-Ph   3955   4-F   SO2Me   3-(3-diCF3-Ph   3956   4-F   SO2Me   3-(3-diCF3-Ph   3957   4-F   SO2Me   3-(3-diCF3-Ph   3955   4-F   SO2Me   3-(3-diCF3-Ph   3956   4-F   SO2Me   3-(3-diCF3-Ph   3957   4-F   SO2Me   3-(3-diCF3-Ph   3957   4-F   SO2Me   3-(3-diCF3-Ph   3958   4-F   SO2Me   3-(3-diCF3-Ph   3959   4-F   SO2Me   3-(3-diCF3-Ph   3959   4-F   SO2Me   3-(3-diCF3-Ph   3959   4-F   SO2Me   3-(3-diCF3-Ph   3959   4-F   SO2Me   3-(3-diCF3-Ph   3956   4-F   SO2Me   3-(3-diCF3-Ph   3956   4-F   SO2Me   3-(3-diCF3-Ph   3956   4-F   SO2Me   3-(3-diCF3-Ph   3956   4-F   SO2Me   3-(3-diCF3-Ph   3959   4-F   SO2Me				<del></del>
3929   4-F   SO2Me   2-(2-imidazolyl)-Ph   3930   4-F   SO2Me   2-(1-imidazolyl)-Ph   3931   4-F   SO2Me   2-(2-thiazolyl)-Ph   3932   4-F   SO2Me   2-(3-pyrazolyl)-Ph   3933   4-F   SO2Me   2-(1-pyrazolyl)-Ph   3933   4-F   SO2Me   2-(5-Me-1-tetrazolyl)-Ph   3935   4-F   SO2Me   2-(5-Me-1-tetrazolyl)-Ph   3936   4-F   SO2Me   2-(1-Me-5-tetrazolyl)-Ph   3936   4-F   SO2Me   2-(2-pyridyl)-Ph   3937   4-F   SO2Me   2-(2-thienyl)-Ph   3938   4-F   SO2Me   2-(2-thienyl)-Ph   3939   4-F   SO2Me   2-(2-thienyl)-Ph   3940   4-F   SO2Me   2-(2-thienyl)-Ph   3941   4-F   SO2Me   2-(3-dif-Ph   3941   4-F   SO2Me   2-(3-dif-Ph   3942   4-F   SO2Me   3-(3-dif-Ph   3944   4-F   SO2Me   3-(3-dif-Ph   3945   4-F   SO2Me   3-(3-dif-Ph   3945   4-F   SO2Me   3-(3-dif-Ph   3946   4-F   SO2Me   2-(3-dif-Ph   3946   4-F   SO2Me   3-(3-dif-Ph   3946   4-F   SO2Me   3-(3-dif-Ph   3948   4-F   SO2Me   3-(3-dif-Ph   3949   4-F   SO2Me   3-(3-dif-Ph   3949   4-F   SO2Me   3-(3-dif-Ph   3950   4-F   SO2Me   3-(3-dif-3-Ph   3955   4-F   SO2Me   3-(3-dif-3-Ph   3955   4-F   SO2Me   3-(3-dif-3-Ph   3956   4-F   SO2Me   3-(3-dif-3-Ph   3956   4-F   SO2Me   3-(3-dif-3-Ph   3957   4-F   SO2Me   3-(3-dif-3-Ph   3958   4-F   SO2Me   3-(3-dif-3-Ph   3959   4-F   SO2Me   3-(3-dif-3-Ph   3956   4-F   SO2Me   3-(3-dif-3-Ph   3957   4-F   SO2Me   3-(3-dif-3-Ph   3959   4-F   SO2Me   3-(3-dif-3-				
3930   4-F   SO2Me   2-(1-imidazoly1)-Ph   3931   4-F   SO2Me   2-(2-thiazoly1)-Ph   3932   4-F   SO2Me   2-(3-pyrazoly1)-Ph   3933   4-F   SO2Me   2-(1-pyrazoly1)-Ph   3934   4-F   SO2Me   2-(5-Me-1-tetrazoly1)-Ph   3934   4-F   SO2Me   2-(5-Me-1-tetrazoly1)-Ph   3935   4-F   SO2Me   2-(1-Me-5-tetrazoly1)-Ph   3936   4-F   SO2Me   2-(2-thieny1)-Ph   3938   4-F   SO2Me   2-(2-thieny1)-Ph   3938   4-F   SO2Me   2-(2-thieny1)-Ph   3939   4-F   SO2Me   2-(2-thieny1)-Ph   3939   4-F   SO2Me   2-(4-dif-Ph   3941   4-F   SO2Me   2-(5-dif-Ph   3941   4-F   SO2Me   3-(5-dif-Ph   3942   4-F   SO2Me   3-(5-dif-Ph   3944   4-F   SO2Me   3-(5-dif-Ph   3945   4-F   SO2Me   3-(5-dif-Ph   3945   4-F   SO2Me   3-(5-dif-Ph   3946   4-F   SO2Me   3-(5-dif-Ph   3946   4-F   SO2Me   3-(5-dif-Ph   3947   4-F   SO2Me   3-(5-dif-Ph   3948   4-F   SO2Me   3-(5-dif-Ph   3949   4-F   SO2Me   3-(5-dif-Ph   3949   4-F   SO2Me   3-(5-dif-Ph   3950   4-F   SO2Me   3-(5-dif-Ph   3960   4-F   SO2Me   3-(5-dif-Ph   3960   4-F   SO2Me   3-(5-dif-Ph   3960   4-F   SO2Me   3-(5-dif-P				
3931   4-F   SO2Me   2-(2-thiazolyl)-Ph   3932   4-F   SO2Me   2-(3-pyrazolyl)-Ph   3933   4-F   SO2Me   2-(1-pyrazolyl)-Ph   3934   4-F   SO2Me   2-(5-Me-1-tetrazolyl)-Ph   3935   4-F   SO2Me   2-(1-Me-5-tetrazolyl)-Ph   3936   4-F   SO2Me   2-(1-Me-5-tetrazolyl)-Ph   3936   4-F   SO2Me   2-(2-pyridyl)-Ph   3938   4-F   SO2Me   2-(2-thienyl)-Ph   3938   4-F   SO2Me   2-(2-thienyl)-Ph   3939   4-F   SO2Me   2-(2-thienyl)-Ph   3939   4-F   SO2Me   2-(3-diF-Ph   3940   4-F   SO2Me   2-(3-diF-Ph   3941   4-F   SO2Me   2-(3-diF-Ph   3942   4-F   SO2Me   3-(3-diF-Ph   3943   4-F   SO2Me   3-(3-diF-Ph   3944   4-F   SO2Me   3-(3-diF-Ph   3944   4-F   SO2Me   3-(3-diCl-Ph   3945   4-F   SO2Me   2-(3-diCl-Ph   3946   4-F   SO2Me   3-(3-diCl-Ph   3947   4-F   SO2Me   3-(3-diCl-Ph   3948   4-F   SO2Me   3-(3-diCl-Ph   3949   4-F   SO2Me   3-(3-diCl-Ph   3949   4-F   SO2Me   3-(3-diCl-Ph   3950   4-F   SO2Me   3-(3-diCF3-Ph   3950   4-F   SO2Me   3-(3-diCF3-Ph   3951   4-F   SO2Me   3-(3-diCF3-Ph   3952   4-F   SO2Me   3-(3-diCF3-Ph   3953   4-F   SO2Me   3-(3-diCF3-Ph   3954   4-F   SO2Me   3-(3-diCF3-Ph   3955   4-F   SO2Me   3-(3-diCF3-Ph   3955   4-F   SO2Me   3-(3-diCF3-Ph   3956   4-F   SO2Me   3-(3-diCF3-Ph   3957   4-F   SO2Me   3-(3-diCF3-Ph   3958		<del></del>		
3932   4-F   SO2Me   2-(3-pyrazolyl)-Ph   3933   4-F   SO2Me   2-(1-pyrazolyl)-Ph   3934   4-F   SO2Me   2-(5-Me-1-tetrazolyl)-Ph   3935   4-F   SO2Me   2-(1-Me-5-tetrazolyl)-Ph   3936   4-F   SO2Me   2-(1-Me-5-tetrazolyl)-Ph   3936   4-F   SO2Me   2-(2-pyridyl)-Ph   3937   4-F   SO2Me   2-(2-thienyl)-Ph   3938   4-F   SO2Me   2-(2-thienyl)-Ph   3939   4-F   SO2Me   2-(2-thienyl)-Ph   3940   4-F   SO2Me   2-(3-diF-Ph   3941   4-F   SO2Me   2-(3-diF-Ph   3941   4-F   SO2Me   3-(3-diF-Ph   3942   4-F   SO2Me   3-(3-diF-Ph   3943   4-F   SO2Me   3-(3-diF-Ph   3944   4-F   SO2Me   3-(3-diCl-Ph   3944   4-F   SO2Me   2-(3-diCl-Ph   3945   4-F   SO2Me   2-(3-diCl-Ph   3946   4-F   SO2Me   3-(3-diCl-Ph   3946   4-F   SO2Me   3-(3-diCl-Ph   3948   4-F   SO2Me   3-(3-diCl-Ph   3948   4-F   SO2Me   3-(3-diCl-Ph   3949   4-F   SO2Me   3-(3-diCl-Ph   3950   4-F   SO2Me   3-(3-diCF3-Ph   3950   4-F   SO2Me   3-(3-diCF3-Ph   3951   4-F   SO2Me   3-(3-diCF3-Ph   3952   4-F   SO2Me   3-(3-diCF3-Ph   3953   4-F   SO2Me   3-(3-diCF3-Ph   3954   4-F   SO2Me   3-(3-diCF3-Ph   3955   4-F   SO2Me   3-(3-diCF3-Ph   3956   4-F   SO2Me   3-(3-diCF3-Ph   3956   4-F   SO2Me   3-(3-diCF3-Ph   3957   4-F   SO2Me   3-(3-diCF3-Ph   3958   4-				
3933   4-F   SO2Me   2-(1-pyrazolyl)-Ph   3934   4-F   SO2Me   2-(5-Me-1-tetrazolyl)-Ph   3935   4-F   SO2Me   2-(1-Me-5-tetrazolyl)-Ph   3936   4-F   SO2Me   2-(2-pyridyl)-Ph   3937   4-F   SO2Me   2-(2-thienyl)-Ph   3938   4-F   SO2Me   2-(2-furanyl)-Ph   3939   4-F   SO2Me   2,4-diF-Ph   3940   4-F   SO2Me   2,5-diF-Ph   3941   4-F   SO2Me   3,4-diF-Ph   3942   4-F   SO2Me   3,4-diF-Ph   3943   4-F   SO2Me   3,5-diF-Ph   3944   4-F   SO2Me   2,5-diCl-Ph   3945   4-F   SO2Me   2,5-diCl-Ph   3946   4-F   SO2Me   2,5-diCl-Ph   3946   4-F   SO2Me   2,5-diCl-Ph   3947   4-F   SO2Me   3,4-diCl-Ph   3948   4-F   SO2Me   3,4-diCF3-Ph   3949   4-F   SO2Me   3,4-diCF3-Ph   3950   4-F   SO2Me   3,5-diCF3-Ph   3951   4-F   SO2Me   3,5-diCF3-Ph   3952   4-F   SO2Me   3-F-5-mcrpholino-Ph   3953   4-F   SO2Me   3-F-5-mcrpholino-Ph   3954   4-F   SO2Me   3-F-5-mcrpholino-Ph   3956   4-F   SO2Me   3,4-OCH2O-Ph   3957   4-F   SO2Me   3,4-OCH2O-Ph   3958   4-F   SO2Me   3,4-OCH2O-Ph   3957   4-F   SO2Me   3,4-OCH2O-Ph   3958   4-F   SO2Me   2-MeO-5-CONH2-Ph   3958   4-F   SO2Me   2-MeO-5-CONH2-Ph   3959   4-F   SO2Me   2-MeO-5-CONH2-Ph   3950   4-F   SO2Me   2-MeO-5-CONH2-Ph   3960   4-F   SO2Me   2-M				
3934   4-F   SO2Me   2-(5-Me-1-tetrazolyl)-Ph   3935   4-F   SO2Me   2-(1-Me-5-tetrazolyl)-Ph   3936   4-F   SO2Me   2-(2-pyridyl)-Ph   3937   4-F   SO2Me   2-(2-thienyl)-Ph   3938   4-F   SO2Me   2-(2-thienyl)-Ph   3938   4-F   SO2Me   2-(2-thienyl)-Ph   3939   4-F   SO2Me   2,4-diF-Ph   3940   4-F   SO2Me   2,5-diF-Ph   3941   4-F   SO2Me   2,6-diF-Ph   3942   4-F   SO2Me   3,4-diF-Ph   3943   4-F   SO2Me   3,5-diF-Ph   3944   4-F   SO2Me   2,5-diCl-Ph   3945   4-F   SO2Me   2,6-diCl-Ph   3945   4-F   SO2Me   2,6-diCl-Ph   3946   4-F   SO2Me   3,5-diCl-Ph   3947   4-F   SO2Me   3,4-diCl-Ph   3948   4-F   SO2Me   3,4-diCF3-Ph   3950   4-F   SO2Me   3,5-diCF3-Ph   3950   4-F   SO2Me   3,5-diCF3-Ph   3951   4-F   SO2Me   3,5-diCF3-Ph   3951   4-F   SO2Me   3,5-diCF3-Ph   3953   4-F   SO2Me   5-Cl-2-MeO-Ph   3954   4-F   SO2Me   3-F-5-morpholino-Ph   3955   4-F   SO2Me   3,4-OCH2C-Ph   3956   4-F   SO2Me   3,4-OCH2C-Ph   3957   4-F   SO2Me   3,4-OCH2C-Ph   3957   4-F   SO2Me   3,4-OCH2C-Ph   3958   4-F   SO2Me   2-MeO-5-CONH2-Ph   3958   4-F   SO2Me   2-MeO-5-CONH2-Ph   3959   4-F   SO2Me   2-MeO-5-CONH2-Ph   3959   4-F   SO2Me   2-MeO-5-CONH2-Ph   3950   4-F   SO2Me   2-MeO-5-CONH2-Ph   3960   4-F   SO2Me   2-MeO-5-CONH2-Ph				
3935   4-F   SO2Me   2-(1-Me-5-tetrazoly1)-Ph   3936   4-F   SO2Me   2-(2-pyridy1)-Ph   3937   4-F   SO2Me   2-(2-thieny1)-Ph   3938   4-F   SO2Me   2-(2-furany1)-Ph   3938   4-F   SO2Me   2-(2-furany1)-Ph   3938   4-F   SO2Me   2,4-diF-Ph   3940   4-F   SO2Me   2,5-diF-Ph   3941   4-F   SO2Me   3,4-diF-Ph   3942   4-F   SO2Me   3,5-diF-Ph   3943   4-F   SO2Me   3,5-diF-Ph   3944   4-F   SO2Me   2,4-diCl-Ph   3945   4-F   SO2Me   2,5-diCl-Ph   3946   4-F   SO2Me   2,6-diCl-Ph   3947   4-F   SO2Me   3,4-diCl-Ph   3948   4-F   SO2Me   3,4-diCl-Ph   3949   4-F   SO2Me   3,5-diCl-Ph   3949   4-F   SO2Me   3,5-diCF3-Ph   3950   4-F   SO2Me   3,5-diCF3-Ph   3951   4-F   SO2Me   3,5-diCF3-Ph   3951   4-F   SO2Me   3,5-diCF3-Ph   3951   4-F   SO2Me   3-F-5-morpholino-Ph   3953   4-F   SO2Me   3-F-5-morpholino-Ph   3954   4-F   SO2Me   3-F-5-morpholino-Ph   3955   4-F   SO2Me   3,4-OCH2O-Ph   3956   4-F   SO2Me   3,4-OCH2O-Ph   3957   4-F   SO2Me   3,4-OCH2O-Ph   3957   4-F   SO2Me   3,4-OCH2O-Ph   3958   4-F   SO2Me   2-MeO-5-CONH2-Ph   3958   4-F   SO2Me   2-MeO-5-CONH2-Ph   3959   4-F   SO2Me   2-MeO-5-CONH2-Ph   3959   4-F   SO2Me   2-MeO-5-CONH2-Ph   3950   4-F   SO2Me   2-MeO-5-CONH2-Ph   3960   4-F   SO2Me   2-MeO-5-CONH2-Ph				
3936   4-F   SO2Me   2-(2-pyridyl)-Ph   3937   4-F   SO2Me   2-(2-thienyl)-Ph   3938   4-F   SO2Me   2-(2-furanyl)-Ph   3938   4-F   SO2Me   2-(4-diF-Ph   3940   4-F   SO2Me   2,5-diF-Ph   3941   4-F   SO2Me   2,6-diF-Ph   3942   4-F   SO2Me   3,4-diF-Ph   3943   4-F   SO2Me   3,5-diF-Ph   3944   4-F   SO2Me   2,5-diF-Ph   3945   4-F   SO2Me   2,5-diCl-Ph   3946   4-F   SO2Me   2,5-diCl-Ph   3947   4-F   SO2Me   2,5-diCl-Ph   3948   4-F   SO2Me   3,4-diCF3-Ph   3949   4-F   SO2Me   3,4-diCF3-Ph   3950   4-F   SO2Me   3,5-diCF3-Ph   3950   4-F   SO2Me   3,5-diCF3-Ph   3951   4-F   SO2Me   3,5-diCF3-Ph   3951   4-F   SO2Me   5-Cl-2-Me-Ph   3953   4-F   SO2Me   3-F-5-morpholino-Ph   3954   4-F   SO2Me   3-F-5-morpholino-Ph   3955   4-F   SO2Me   3-F-5-morpholino-Ph   3956   4-F   SO2Me   3,4-OCH2CH2O-Ph   3957   4-F   SO2Me   3,4-OCH2CH2O-Ph   3958   4-F   SO2Me   2-MeO-5-CONH2-Ph   3959   4-F   SO2Me   2-MeO-5-CONH2-Ph   3959   4-F   SO2Me   2-MeO-5-CONH2-Ph   3950   4-F   SO2Me   2-MeO-5-CONH2-Ph   3951   4-F   SO2Me   2-MeO-5-CONH2-Ph   3951   4-F   SO2Me   2-MeO-5-CI-Me-5-tetrazolyl)-Ph   3951   4-F   SO2Me   2-MeO-5-(1-Me-5-tetrazolyl)-Ph   3952   4-F   SO2Me   2-MeO-5-(1-Me-5-tetrazolyl)-Ph   3953   4-F   SO2Me   2-MeO-5-(1-Me-5-tetrazolyl)-Ph   3954   4-F   SO2Me   2-MeO-5-(1-Me-5-tetrazolyl)-Ph   3954   4-F   SO2Me   2-MeO-5-(1-Me-5-tetrazolyl)-Ph   3954   4-F   SO2Me   2-MeO-5-(1-Me-5-tetrazolyl)-Ph   3954   4-F   SO2Me   2-MeO-5-(1-Me-5-tetrazolyl)-Ph   3956   4-F   SO2Me   2-MeO-5-(1-Me-5-tetrazolyl)-Ph   3956   4-F   SO2Me   2-MeO-5-(1-Me-5-tetrazolyl)-Ph   3956   4-F   SO2Me   2-MeO-5-(1-Me-5-tetrazolyl)-Ph   3960   4-F   SO2Me   2-meO-5-(1-Me-5-tetrazolyl)-Ph   3961   4-F   SO2Me   2-maphthyl   3963   4-F   SO2Me   2-maphthyl   2-thienyl			SO2Me	
3937   4-F   SO2Me   2-(2-thieny1)-Ph   3938   4-F   SO2Me   2-(2-furany1)-Ph   3939   4-F   SO2Me   2,4-diF-Ph   3940   4-F   SO2Me   2,5-diF-Ph   3941   4-F   SO2Me   2,6-diF-Ph   3942   4-F   SO2Me   3,4-diF-Ph   3943   4-F   SO2Me   3,5-diF-Ph   3944   4-F   SO2Me   2,4-diCl-Ph   3945   4-F   SO2Me   2,5-diCl-Ph   3946   4-F   SO2Me   2,6-diCl-Ph   3947   4-F   SO2Me   2,6-diCl-Ph   3948   4-F   SO2Me   3,4-diCl-Ph   3949   4-F   SO2Me   3,5-diCl-Ph   3950   4-F   SO2Me   3,5-diCF3-Ph   3950   4-F   SO2Me   3,5-diCF3-Ph   3951   4-F   SO2Me   3,5-diCF3-Ph   3951   4-F   SO2Me   3,5-diCF3-Ph   3952   4-F   SO2Me   5-Cl-2-Me-Ph   3953   4-F   SO2Me   3-F-5-morpholino-Ph   3954   4-F   SO2Me   3-F-5-morpholino-Ph   3955   4-F   SO2Me   3,4-OCH2O-Ph   3956   4-F   SO2Me   3,4-OCH2O-Ph   3957   4-F   SO2Me   2-MeO-5-CONH2-Ph   3958   4-F   SO2Me   2-MeO-5-CONH2-Ph   3959   4-F   SO2Me   2-MeO-5-CONH2-Ph   3950   4-F   SO2Me   2-MeO-5-CONH2-Ph   3960   4-F   SO2Me   3-CONH2-FOCOMBAN   3-CONH2-FOCOMBAN   3-CONH2-FOCOMBAN   3-CONH2-				
3938   4-F   SO2Me   2-(2-furany1)-Ph   3939   4-F   SO2Me   2,4-diF-Ph   3940   4-F   SO2Me   2,5-diF-Ph   3941   4-F   SO2Me   2,6-diF-Ph   3942   4-F   SO2Me   3,4-diF-Ph   3943   4-F   SO2Me   3,4-diF-Ph   3943   4-F   SO2Me   2,5-diC1-Ph   3945   4-F   SO2Me   2,5-diC1-Ph   3946   4-F   SO2Me   2,5-diC1-Ph   3947   4-F   SO2Me   3,4-diC1-Ph   3948   4-F   SO2Me   3,4-diC1-Ph   3949   4-F   SO2Me   3,5-diCF3-Ph   3950   4-F   SO2Me   3,5-diCF3-Ph   3951   4-F   SO2Me   3,5-diCF3-Ph   3952   4-F   SO2Me   5-C1-2-MeO-Ph   3953   4-F   SO2Me   5-C1-2-MeO-Ph   3953   4-F   SO2Me   3-F-5-morpholino-Ph   3955   4-F   SO2Me   3,4-OCH2O-Ph   3956   4-F   SO2Me   3,4-OCH2O-Ph   3957   4-F   SO2Me   3,4-OCH2O-Ph   3958   4-F   SO2Me   3,4-OCH2CH2O-Ph   3959   4-F   SO2Me   2-MeO-5-CONH2-Ph   3959   4-F   SO2Me   2-MeO-5-CONH2-Ph   3959   4-F   SO2Me   2-MeO-5-(1-Me-5-tetrazoly1)-Ph   3960   4-F   SO2Me   3-CONH2-5-(1-Me-5-tetrazoly1)-Ph   3961   4-F   SO2Me   2-maphthy1   3962   4-F   SO2Me   2-naphthy1   3963   4-F   SO2Me   2-naphthy1   3963   4-F   SO2Me   2-naphthy1   3963   4-F   SO2Me   2-naphthy1   2-thieny1   2-thieny1		4-F	SO2Me	
3939   4-F   SO2Me   2,4-diF-Ph   3940   4-F   SO2Me   2,5-diF-Ph   3941   4-F   SO2Me   2,6-diF-Ph   3942   4-F   SO2Me   3,4-diF-Ph   3942   4-F   SO2Me   3,5-diF-Ph   3943   4-F   SO2Me   2,5-diCl-Ph   3944   4-F   SO2Me   2,5-diCl-Ph   3945   4-F   SO2Me   2,5-diCl-Ph   3946   4-F   SO2Me   2,6-diCl-Ph   3947   4-F   SO2Me   3,4-diCl-Ph   3948   4-F   SO2Me   3,5-diCl-Ph   3949   4-F   SO2Me   3,5-diCF3-Ph   3950   4-F   SO2Me   3,5-diCF3-Ph   3951   4-F   SO2Me   3,5-diCF3-Ph   3952   4-F   SO2Me   5-Cl-2-MeO-Ph   3953   4-F   SO2Me   5-Cl-2-MeO-Ph   3953   4-F   SO2Me   3-F-5-morpholino-Ph   3954   4-F   SO2Me   3-F-5-morpholino-Ph   3956   4-F   SO2Me   3,4-OCH2O-Ph   3957   4-F   SO2Me   3,4-OCH2O-Ph   3958   4-F   SO2Me   2-MeO-5-CONH2-Ph   3958   4-F   SO2Me   2-MeO-5-CONH2-Ph   3959   4-F   SO2Me   2-MeO-5-tetrazolyl)-Ph   3960   4-F   SO2Me   2-MeO-5-tetrazolyl)-Ph   3961   4-F   SO2Me   2-MeO-5-tetrazolyl)-Ph   3961   4-F   SO2Me   2-maphthyl   3962   4-F   SO2Me   2-naphthyl   3963   4-F   SO2Me   2-thienyl		4-F	SO2Me	
3940   4-F   SO2Me   2,5-diF-Ph   3941   4-F   SO2Me   2,6-diF-Ph   3942   4-F   SO2Me   3,4-diF-Ph   3943   4-F   SO2Me   3,5-diF-Ph   3944   4-F   SO2Me   2,4-diCl-Ph   3945   4-F   SO2Me   2,5-diCl-Ph   3946   4-F   SO2Me   2,6-diCl-Ph   3947   4-F   SO2Me   3,4-diCl-Ph   3948   4-F   SO2Me   3,4-diCl-Ph   3949   4-F   SO2Me   3,5-diCl-Ph   3949   4-F   SO2Me   3,5-diCF3-Ph   3950   4-F   SO2Me   3,5-diCF3-Ph   3951   4-F   SO2Me   3,5-diCF3-Ph   3952   4-F   SO2Me   5-Cl-2-Me-Ph   3953   4-F   SO2Me   5-Cl-2-Me-Ph   3953   4-F   SO2Me   3-F-5-morpholino-Ph   3955   4-F   SO2Me   3,4-OCH2O-Ph   3956   4-F   SO2Me   3,4-OCH2O-Ph   3957   4-F   SO2Me   2-MeO-5-CONH2-Ph   3958   4-F   SO2Me   2-MeO-5-CONH2-Ph   3959   4-F   SO2Me   2-MeO-5-tetrazolyl)-Ph   3960   4-F   SO2Me   3-CONH2-5-(1-Me-5-tetrazolyl)-Ph   3961   4-F   SO2Me   2-meO-5-Conh2-Ph   3960   4-F   SO2Me   2-meO-5-(1-Me-5-tetrazolyl)-Ph   3961   4-F   SO2Me   2-meO-5-(1-Me-5-tetrazolyl)-Ph   3961   4-F   SO2Me   2-naphthyl   3963   4-F   SO2Me   2-thienyl	3938	4-F	SO2Me	2-(2-furanyl)-Ph
3941   4-F   SO2Me   2,6-diF-Ph   3942   4-F   SO2Me   3,4-diF-Ph   3943   4-F   SO2Me   3,5-diF-Ph   3944   4-F   SO2Me   2,4-diCl-Ph   3945   4-F   SO2Me   2,5-diCl-Ph   3946   4-F   SO2Me   2,6-diCl-Ph   3947   4-F   SO2Me   3,4-diCl-Ph   3948   4-F   SO2Me   3,4-diCl-Ph   3949   4-F   SO2Me   3,5-diCl-Ph   3950   4-F   SO2Me   3,5-diCl-Ph   3951   4-F   SO2Me   3,5-diCl-Ph   3951   4-F   SO2Me   5-Cl-2-Me-Ph   3953   4-F   SO2Me   5-Cl-2-Me-Ph   3954   4-F   SO2Me   3-F-5-morpholino-Ph   3955   4-F   SO2Me   3,4-OCH2O-Ph   3956   4-F   SO2Me   3,4-OCH2O-Ph   3957   4-F   SO2Me   3,4-OCH2O-Ph   3958   4-F   SO2Me   2-MeO-5-CONH2-Ph   3959   4-F   SO2Me   2-MeO-5-(1-Me-5-tetrazolyl)-Ph   3960   4-F   SO2Me   3-CONH2-5-(1-Me-5-tetrazolyl)-Ph   3961   4-F   SO2Me   2-maphthyl   3962   4-F   SO2Me   2-naphthyl   3963   4-F   SO2Me   2-naphthyl   2-thienyl	3939	4-F	SO2Me	2,4-diF-Ph
3942         4-F         SO2Me         3,4-diF-Ph           3943         4-F         SO2Me         3,5-diF-Ph           3944         4-F         SO2Me         2,4-diCl-Ph           3945         4-F         SO2Me         2,5-diCl-Ph           3946         4-F         SO2Me         3,4-diCl-Ph           3947         4-F         SO2Me         3,4-diCl-Ph           3948         4-F         SO2Me         3,5-diCl-Ph           3949         4-F         SO2Me         3,5-diCf3-Ph           3950         4-F         SO2Me         3,5-diCf3-Ph           3951         4-F         SO2Me         3,5-diCf3-Ph           3951         4-F         SO2Me         3,5-diCf3-Ph           3951         4-F         SO2Me         3,5-diCf3-Ph           3951         4-F         SO2Me         5-Cl-2-Me-Ph           3952         4-F         SO2Me         2-F-5-Me-Ph           3953         4-F         SO2Me         3-F-5-morpholino-Ph           3955         4-F         SO2Me         3,4-OCH2O-Ph           3957         4-F         SO2Me         2-MeO-5-CONH2-Ph           3958         4-F         SO2Me         2	3940	4-F	SO2Me	2,5-diF-Ph
3942         4-F         SO2Me         3,4-diF-Ph           3943         4-F         SO2Me         3,5-diF-Ph           3944         4-F         SO2Me         2,4-diCl-Ph           3945         4-F         SO2Me         2,5-diCl-Ph           3946         4-F         SO2Me         3,4-diCl-Ph           3947         4-F         SO2Me         3,4-diCl-Ph           3948         4-F         SO2Me         3,5-diCl-Ph           3949         4-F         SO2Me         3,5-diCf3-Ph           3950         4-F         SO2Me         3,5-diCf3-Ph           3951         4-F         SO2Me         3,5-diCf3-Ph           3951         4-F         SO2Me         3,5-diCf3-Ph           3951         4-F         SO2Me         3,5-diCf3-Ph           3951         4-F         SO2Me         5-Cl-2-Me-Ph           3952         4-F         SO2Me         2-F-5-Me-Ph           3953         4-F         SO2Me         3-F-5-morpholino-Ph           3955         4-F         SO2Me         3,4-OCH2O-Ph           3957         4-F         SO2Me         2-MeO-5-CONH2-Ph           3958         4-F         SO2Me         2	3941	4-F	SO2Me	2,6-diF-Ph
3943         4-F         SO2Me         3,5-diF-Ph           3944         4-F         SO2Me         2,4-diCl-Ph           3945         4-F         SO2Me         2,5-diCl-Ph           3946         4-F         SO2Me         2,6-diCl-Ph           3947         4-F         SO2Me         3,4-diCl-Ph           3948         4-F         SO2Me         3,5-diCl-Ph           3949         4-F         SO2Me         3,5-diCF3-Ph           3950         4-F         SO2Me         3,5-diCF3-Ph           3951         4-F         SO2Me         5-Cl-2-MeO-Ph           3952         4-F         SO2Me         2-F-5-Me-Ph           3953         4-F         SO2Me         3-F-5-morpholino-Ph           3955         4-F         SO2Me         3,4-OCH2O-Ph           3956         4-F         SO2Me         2-MeO-5-CONH2-Ph           3958         4-F         SO2Me <t< td=""><td>3942</td><td></td><td></td><td></td></t<>	3942			
3944         4-F         SO2Me         2,4-diC1-Ph           3945         4-F         SO2Me         2,5-diC1-Ph           3946         4-F         SO2Me         2,6-diC1-Ph           3947         4-F         SO2Me         3,4-diC1-Ph           3948         4-F         SO2Me         3,5-diC1-Ph           3949         4-F         SO2Me         3,5-diCF3-Ph           3950         4-F         SO2Me         3,5-diCF3-Ph           3951         4-F         SO2Me         5-C1-2-MeO-Ph           3952         4-F         SO2Me         5-C1-2-MeO-Ph           3953         4-F         SO2Me         2-F-5-Me-Ph           3954         4-F         SO2Me         3-F-5-morpholino-Ph           3955         4-F         SO2Me         3,4-OCH2O-Ph           3956         4-F         SO2Me         3,4-OCH2CH2O-Ph           3957         4-F         SO2Me         2-MeO-5-CONH2-Ph           3958         4-F         SO2Me         2-MeO-5-(1-Me-5-tetrazoly1)-Ph           3959         4-F         SO2Me         3-CONH2-5-(1-Me-5-tetrazoly1)-Ph           3961         4-F         SO2Me         3-CONH2-5-(1-Me-5-tetrazoly1)-Ph	3943			
3945         4-F         SO2Me         2,5-diCl-Ph           3946         4-F         SO2Me         2,6-diCl-Ph           3947         4-F         SO2Me         3,4-diCl-Ph           3948         4-F         SO2Me         3,5-diCl-Ph           3949         4-F         SO2Me         3,5-diCF3-Ph           3950         4-F         SO2Me         3,5-diCF3-Ph           3951         4-F         SO2Me         5-Cl-2-MeO-Ph           3952         4-F         SO2Me         2-F-5-Me-Ph           3953         4-F         SO2Me         3-F-5-morpholino-Ph           3954         4-F         SO2Me         3,4-OCH2O-Ph           3955         4-F         SO2Me         3,4-OCH2CH2O-Ph           3956         4-F         SO2Me         3,4-OCH2CH2O-Ph           3957         4-F         SO2Me         2-MeO-5-CONH2-Ph           3958         4-F         SO2Me         2-MeO-5-(1-Me-5-tetrazolyl)-Ph           3960         4-F         SO2Me         3-CONH2-5-(1-Me-5-tetrazolyl)-Ph           3961         4-F         SO2Me         2-naphthyl           3963         4-F         SO2Me         2-naphthyl           2-thienyl </td <td></td> <td></td> <td></td> <td></td>				
3946 4-F SO2Me 2,6-diCl-Ph 3947 4-F SO2Me 3,4-diCl-Ph 3948 4-F SO2Me 3,5-diCl-Ph 3949 4-F SO2Me 3,4-diCF3-Ph 3950 4-F SO2Me 3,5-diCF3-Ph 3951 4-F SO2Me 5-Cl-2-MeO-Ph 3952 4-F SO2Me 2-F-5-Me-Ph 3953 4-F SO2Me 3-F-5-morpholino-Ph 3954 4-F SO2Me 3,4-OCH2O-Ph 3955 4-F SO2Me 3,4-OCH2O-Ph 3956 4-F SO2Me 3,4-OCH2CH2O-Ph 3957 4-F SO2Me 2-MeO-5-CONH2-Ph 3958 4-F SO2Me 2-MeO-4-(1-Me-5-tetrazolyl)-Ph 3959 4-F SO2Me 3-CONH2-5-(1-Me-5-tetrazolyl)-Ph 3960 4-F SO2Me 3-CONH2-5-(1-Me-5-tetrazolyl)-Ph 3961 4-F SO2Me 2-naphthyl 3962 4-F SO2Me 2-naphthyl 3963 4-F SO2Me 2-naphthyl 3963 4-F SO2Me 2-naphthyl 3963 4-F SO2Me 2-naphthyl 3963 4-F SO2Me 2-naphthyl 3963 4-F SO2Me 2-naphthyl 3964 2-thienyl				
3947       4-F       SO2Me       3,4-diC1-Ph         3948       4-F       SO2Me       3,5-diC1-Ph         3949       4-F       SO2Me       3,4-diCF3-Ph         3950       4-F       SO2Me       3,5-diCF3-Ph         3951       4-F       SO2Me       5-C1-2-MeO-Ph         3952       4-F       SO2Me       2-F-5-Me-Ph         3953       4-F       SO2Me       3-F-5-morpholino-Ph         3954       4-F       SO2Me       3,4-OCH2O-Ph         3955       4-F       SO2Me       3,4-OCH2CH2O-Ph         3956       4-F       SO2Me       2-MeO-5-CONH2-Ph         3957       4-F       SO2Me       2-MeO-4-(1-Me-5-tetrazolyl)-Ph         3959       4-F       SO2Me       2-MeO-5-(1-Me-5-tetrazolyl)-Ph         3960       4-F       SO2Me       3-CONH2-5-(1-Me-5-tetrazolyl)-Ph         3961       4-F       SO2Me       1-naphthyl         3963       4-F       SO2Me       2-naphthyl         3963       4-F       SO2Me       2-thienyl				
3948         4-F         SO2Me         3,5-diCl-Ph           3949         4-F         SO2Me         3,4-diCF3-Ph           3950         4-F         SO2Me         3,5-diCF3-Ph           3951         4-F         SO2Me         5-Cl-2-MeO-Ph           3952         4-F         SO2Me         2-F-5-Me-Ph           3953         4-F         SO2Me         3-F-5-morpholino-Ph           3954         4-F         SO2Me         3,4-OCH2O-Ph           3955         4-F         SO2Me         3,4-OCH2CH2O-Ph           3956         4-F         SO2Me         2-MeO-5-CONH2-Ph           3957         4-F         SO2Me         2-MeO-5-CONH2-Ph           3958         4-F         SO2Me         2-MeO-5-(1-Me-5-tetrazolyl)-Ph           3959         4-F         SO2Me         3-CONH2-5-(1-Me-5-tetrazolyl)-Ph           3960         4-F         SO2Me         1-naphthyl           3961         4-F         SO2Me         2-naphthyl           3963         4-F         SO2Me         2-naphthyl				
3949         4-F         SO2Me         3,4-diCF3-Ph           3950         4-F         SO2Me         3,5-diCF3-Ph           3951         4-F         SO2Me         5-Cl-2-MeO-Ph           3952         4-F         SO2Me         2-F-5-Me-Ph           3953         4-F         SO2Me         3-F-5-morpholino-Ph           3954         4-F         SO2Me         3,4-OCH2O-Ph           3955         4-F         SO2Me         3,4-OCH2CH2O-Ph           3956         4-F         SO2Me         2-MeO-5-CONH2-Ph           3957         4-F         SO2Me         2-MeO-5-tetrazolyl)-Ph           3958         4-F         SO2Me         2-MeO-5-(1-Me-5-tetrazolyl)-Ph           3960         4-F         SO2Me         3-CONH2-5-(1-Me-5-tetrazolyl)-Ph           3961         4-F         SO2Me         1-naphthyl           3962         4-F         SO2Me         2-naphthyl           3963         4-F         SO2Me         2-thienyl				
3950 4-F SO2Me 3,5-diCF3-Ph 3951 4-F SO2Me 5-Cl-2-MeO-Ph 3952 4-F SO2Me 5-Cl-2-Me-Ph 3953 4-F SO2Me 2-F-5-Me-Ph 3954 4-F SO2Me 3-F-5-morpholino-Ph 3955 4-F SO2Me 3,4-OCH2O-Ph 3956 4-F SO2Me 3,4-OCH2CH2O-Ph 3957 4-F SO2Me 2-MeO-5-CONH2-Ph 3958 4-F SO2Me 2-MeO-4-(1-Me-5-tetrazolyl)-Ph 3959 4-F SO2Me 3-CONH2-5-(1-Me-5-tetrazolyl)-Ph 3960 4-F SO2Me 3-CONH2-5-(1-Me-5-tetrazolyl)-Ph 3961 4-F SO2Me 2-meO-5-(1-Me-5-tetrazolyl)-Ph 3962 4-F SO2Me 2-naphthyl 3963 4-F SO2Me 2-naphthyl 3963 4-F SO2Me 2-naphthyl 3963 4-F SO2Me 2-thienyl				
3951         4-F         SO2Me         5-C1-2-MeO-Ph           3952         4-F         SO2Me         5-C1-2-Me-Ph           3953         4-F         SO2Me         2-F-5-Me-Ph           3954         4-F         SO2Me         3-F-5-morpholino-Ph           3955         4-F         SO2Me         3,4-OCH2O-Ph           3956         4-F         SO2Me         2-MeO-5-CONH2-Ph           3957         4-F         SO2Me         2-MeO-4-(1-Me-5-tetrazoly1)-Ph           3958         4-F         SO2Me         2-MeO-5-(1-Me-5-tetrazoly1)-Ph           3959         4-F         SO2Me         3-CONH2-5-(1-Me-5-tetrazoly1)-Ph           3960         4-F         SO2Me         3-CONH2-5-(1-Me-5-tetrazoly1)-Ph           3961         4-F         SO2Me         1-naphthy1           3963         4-F         SO2Me         2-naphthy1           3963         4-F         SO2Me         2-thieny1				
3952         4-F         SO2Me         5-Cl-2-Me-Ph           3953         4-F         SO2Me         2-F-5-Me-Ph           3954         4-F         SO2Me         3-F-5-morpholino-Ph           3955         4-F         SO2Me         3,4-OCH2O-Ph           3956         4-F         SO2Me         2-MeO-5-CONH2-Ph           3957         4-F         SO2Me         2-MeO-5-CONH2-Ph           3958         4-F         SO2Me         2-MeO-4-(1-Me-5-tetrazolyl)-Ph           3959         4-F         SO2Me         2-MeO-5-(1-Me-5-tetrazolyl)-Ph           3960         4-F         SO2Me         3-CONH2-5-(1-Me-5-tetrazolyl)-Ph           3961         4-F         SO2Me         1-naphthyl           3963         4-F         SO2Me         2-naphthyl           3963         4-F         SO2Me         2-thienyl				
3953         4-F         SO2Me         2-F-5-Me-Ph           3954         4-F         SO2Me         3-F-5-morpholino-Ph           3955         4-F         SO2Me         3,4-OCH2O-Ph           3956         4-F         SO2Me         3,4-OCH2CH2O-Ph           3957         4-F         SO2Me         2-MeO-5-CONH2-Ph           3958         4-F         SO2Me         2-MeO-4-(1-Me-5-tetrazoly1)-Ph           3959         4-F         SO2Me         2-MeO-5-(1-Me-5-tetrazoly1)-Ph           3960         4-F         SO2Me         3-CONH2-5-(1-Me-5-tetrazoly1)-Ph           3961         4-F         SO2Me         1-naphthy1           3963         4-F         SO2Me         2-naphthy1           3963         4-F         SO2Me         2-thieny1				<del> </del>
3954         4-F         SO2Me         3-F-5-morpholino-Ph           3955         4-F         SO2Me         3,4-OCH2O-Ph           3956         4-F         SO2Me         3,4-OCH2CH2O-Ph           3957         4-F         SO2Me         2-MeO-5-CONH2-Ph           3958         4-F         SO2Me         2-MeO-4-(1-Me-5-tetrazoly1)-Ph           3959         4-F         SO2Me         2-MeO-5-(1-Me-5-tetrazoly1)-Ph           3960         4-F         SO2Me         3-CONH2-5-(1-Me-5-tetrazoly1)-Ph           3961         4-F         SO2Me         1-naphthy1           3963         4-F         SO2Me         2-naphthy1           3963         4-F         SO2Me         2-thieny1				<del></del>
3955       4-F       SO2Me       3,4-OCH2O-Ph         3956       4-F       SO2Me       3,4-OCH2CH2O-Ph         3957       4-F       SO2Me       2-MeO-5-CONH2-Ph         3958       4-F       SO2Me       2-MeO-4-(1-Me-5-tetrazoly1)-Ph         3959       4-F       SO2Me       2-MeO-5-(1-Me-5-tetrazoly1)-Ph         3960       4-F       SO2Me       3-CONH2-5-(1-Me-5-tetrazoly1)-Ph         3961       4-F       SO2Me       1-naphthy1         3963       4-F       SO2Me       2-naphthy1         3963       4-F       SO2Me       2-thieny1				
3956     4-F     SO2Me     3,4-OCH2CH2O-Ph       3957     4-F     SO2Me     2-MeO-5-CONH2-Ph       3958     4-F     SO2Me     2-MeO-4-(1-Me-5-tetrazoly1)-Ph       3959     4-F     SO2Me     2-MeO-5-(1-Me-5-tetrazoly1)-Ph       3960     4-F     SO2Me     3-CONH2-5-(1-Me-5-tetrazoly1)-Ph       3961     4-F     SO2Me     1-naphthy1       3962     4-F     SO2Me     2-naphthy1       3963     4-F     SO2Me     2-thieny1				
3957         4-F         SO2Me         2-MeO-5-CONH2-Ph           3958         4-F         SO2Me         2-MeO-4-(1-Me-5-tetrazoly1)-Ph           3959         4-F         SO2Me         2-MeO-5-(1-Me-5-tetrazoly1)-Ph           3960         4-F         SO2Me         3-CONH2-5-(1-Me-5-tetrazoly1)-Ph           3961         4-F         SO2Me         1-naphthy1           3962         4-F         SO2Me         2-naphthy1           3963         4-F         SO2Me         2-thieny1				<del></del>
3958         4-F         SO2Me         2-MeO-4-(1-Me-5-tetrazolyl)-Ph           3959         4-F         SO2Me         2-MeO-5-(1-Me-5-tetrazolyl)-Ph           3960         4-F         SO2Me         3-CONH2-5-(1-Me-5-tetrazolyl)-Ph           3961         4-F         SO2Me         1-naphthyl           3962         4-F         SO2Me         2-naphthyl           3963         4-F         SO2Me         2-thienyl				<del></del>
3959         4-F         SO2Me         2-MeO-5-(1-Me-5-tetrazolyl)-Ph           3960         4-F         SO2Me         3-CONH2-5-(1-Me-5-tetrazolyl)-Ph           3961         4-F         SO2Me         1-naphthyl           3962         4-F         SO2Me         2-naphthyl           3963         4-F         SO2Me         2-thienyl				
3960     4-F     SO2Me     3-CONH2-5-(1-Me-5-tetrazolyl)-Ph       3961     4-F     SO2Me     1-naphthyl       3962     4-F     SO2Me     2-naphthyl       3963     4-F     SO2Me     2-thienyl				
3961       4-F       SO2Me       1-naphthyl         3962       4-F       SO2Me       2-naphthyl         3963       4-F       SO2Me       2-thienyl				
3962         4-F         SO2Me         2-naphthyl           3963         4-F         SO2Me         2-thienyl				
3963 4-F SO2Me 2-thienyl				
3964   4-F   SO2Me   3-thienyl		4-F		
	3964	4-F	SO2Me	3-thienyl

2065	A 17	COOMo	2 furanti
3965	4-F	SO2Me	2-furanyl
3966	4-F	SO2Me	3-furanyl
3967	4-F	SO2Me	2-pyridyl
3968	4-F	SO2Me	3-pyridyl
3969	4-F	SO2Me	4-pyridyl
3970	4-F	SO2Me	2-indolyl
3971	4-F	SO2Me	3-indolyl
3972	4-F	SO2Me	5-indolyl
3973	4-F	SO2Me	6-indolyl
3974	4-F	SO2Me	3-indazolyl
3975	4-F	SO2Me	5-indazolyl
3976	4-F	SO2Me	6-indazolyl
3977	4-F	SO2Me	2-imidazolyl
3978	4-F	SO2Me	3-isoxazoyl
3979	4-F	SO2Me	3-pyrazolyl
3980	4-F	SO2Me	2-thiadiazolyl
3981	4-F	SO2Me	2-thiazolyl
3982	4-F	SO2Me	5-Ac-4-Me-2-thiazolyl
3983	4-F	SO2Me	5-tetrazolyl
3984	4-F	SO2Me	2-benzimidazolyl
3985	4-F	SO2Me_	5-benzimidazolyl
3986	4-F	SO2Me_	2-benzothiazolyl
3987	4-F	SO2Me	5-benzothiazolyl
3988	4-F	SO2Me	2-benzoxazolyl
3989	4-F	SO2Me	5-benzoxazolyl
3990	4-F	SO2Me	1-adamantyl
3991	4-F	SO2Me	2-adamantyl
3992	4-F	SO2Me	i-Pr
3993	4-F	SO2Me	t-Bu
3994	4-F	SO2Me	c-Hex
3995	4-F	SO2Me	CH2CH2OMe
3996	4-F	SO2Me	CH2CONH2
3997	4-F	SO2Me_	CH2CO2Me
3998	4-F	SO2Me	CH(CH2Ph)CO2Me
3999	4-F	SO2Me	CH2CH2NMe2
4000	4-F	SO2Me	benzyl
4001	4-F	SO2Me	phenethyl
4002	4-F	SO2Me	2-(morpholin-1-yl)-Et
4003	4-F	CH2COMe	Ph
4004	4-F	CH2COMe	3-CN-Ph
4005	4-F	CH2COMe	3-COMe-Ph
4006	4-F	CH2COMe	3-CO2Me-Ph
4007	4-F	CH2COMe	3-CONH2-Ph
4008	4-F	CH2COMe	3-CONHMe-Ph
4009	4-F	CH2COMe	3-F-Ph
4010	4-F	CH2COMe	3-C1-Ph
4011	4-F	CH2COMe	3-Br-Ph
4012	4-F	CH2COMe	3-SO2NH2-Ph
4013	4-F	CH2COMe	3-SO2NHMe-Ph
4014	4-F	CH2COMe	3-CF3-Ph
4015	4-F	CH2COMe	3-OMe-Ph
4016	4-F	CH2COMe	3-SMe-Ph
4017	4-F	CH2COMe	3-SOMe-Ph
4018	4-F	CH2COMe	3-SO2Me-Ph
4019	4-F	CH2COMe	3-OH-Ph

4020	4-F	CH2COMe	3-CH2OH-Ph
4020	4-F		3-CHOHMe-Ph
4021	4-F	CH2COMe CH2COMe	3-COH (Me) 2-Ph
4022	4-F	CH2COMe	3-Me-Ph
	4-F		3-Me-FH 3-Et-Ph
4024		CH2COMe	3-EC-PH 3-iPr-Ph
4025	4-F	CH2COMe	
4026	4-F	CH2COMe	3-tBu-Ph
4027	4-F	CH2COMe	3-CH2CO2Me-Ph
4028	4-F	CH2COMe	3-(1-piperidinyl)-Ph
4029	4-F	CH2COMe	3-(1-pyrrolidinyl)-Ph
4030	4-F	CH2COMe	3-(2-imidazoly1)-Ph
4031	4-F	CH2COMe	3-(1-imidazoly1)-Ph
4032	4-F	CH2COMe	3-(2-thiazolyl)-Ph
4033	4-F	CH2COMe	3-(3-pyrazoly1)-Ph
4034	4-F	CH2COMe	3-(1-pyrazolyl)-Ph
4035	4-F	CH2COMe	3-(5-Me-1-tetrazoly1)-Ph
4036	4-F	CH2COMe	3-(1-Me-5-tetrazolyl)-Ph
4037	4-F	CH2COMe	3-(2-pyridy1)-Ph
4038	4-F	CH2COMe	3-(2-thieny1)-Ph
4039	4-F	CH2COMe	3-(2-furany1)-Ph
4040	4-F	CH2COMe	4-CN-Ph
4041	4-F	CH2COMe	4-COMe-Ph
4042	4-F	CH2COMe	4-CO2Me-Ph
4043	4-F	CH2COMe	4-CONH2-Ph
4044	4-F	CH2COMe	4-CONHMe-Ph
4045	4-F	CH2COMe	4-CONHPh-Ph
4046	4-F	CH2COMe	4-F-Ph
4047	4-F	CH2COMe	4-Cl-Ph
4048	4-F	CH2COMe	4-Br-Ph
4049	4-F	CH2COMe	4-SO2NH2-Ph
4050	4-F	CH2COMe	4-SO2NHMe-Ph
4051	4-F	CH2COMe	4-CF3-Ph
4052	4-F	CH2COMe	4-OMe-Ph
4053	4-F	CH2COMe	4-SMe-Ph
4054	4-F	CH2COMe	4-SOMe-Ph
4055	4-F	CH2COMe	4-SO2Me-Ph
4056	4-F	CH2COMe	4-OH-Ph
4057	4-F	CH2COMe	4-CH2OH-Ph
4058	4-F	CH2COMe	4-CHOHMe-Ph
4059	4-F	CH2COMe	4-COH(Me)2-Ph
4060	4-F	CH2COMe	4-Me-Ph
4061	4-F	CH2COMe	4-Et-Ph
4062	4-F	CH2COMe	4-iPr-Ph
4063	4-F	CH2COMe	4-tBu-Ph
4064	4-F	CH2COMe	4-CH2CO2Me-Ph
4065	4-F	CH2COMe	4-(1-piperidinyl)-Ph
4066	4-F	CH2COMe	4-(1-pyrrolidinyl)-Ph
4067	4-F	CH2COMe	4-(2-imidazolyl)-Ph
4068	4-F	CH2COMe	4-(1-imidazolyl)-Ph
4069	4-F	CH2COMe	4-(2-thiazoly1)-Ph
4070	4-F	CH2COMe	4-(3-pyrazoly1)-Ph
4071	4-F	CH2COMe	4-(1-pyrazolyl)-Ph
4072	4-F	CH2COMe	4-(5-Me-1-tetrazoly1)-Ph
4073	4-F	CH2COMe	4-(1-Me-5-tetrazolyl)-Ph
4074	4-F	CH2COMe	4-(2-pyridyl)-Ph
			·

4075	T 4 F	CH2COM2	4 (2 thiom: 1) Dh
4075	4-F	CH2COMe	4-(2-thienyl)-Ph
4076	4-F	CH2COMe	4-(2-furanyl)-Ph
4077	4-F	CH2COMe	2-CN-Ph
4078	4-F	CH2COMe	2-COMe-Ph
4079	4-F	CH2COMe	2-CO2Me-Ph
4080	4-F	CH2COMe	2-CONH2-Ph
4081	4-F	CH2COMe	2-CONHMe-Ph
4082	4-F	CH2COMe	2-F-Ph
4083	4-F	CH2COMe	2-C1-Ph
4084	4-F	CH2COMe	2-Br-Ph
4085	4-F	CH2COMe	2-SO2NH2-Ph
4086	4-F	CH2COMe	2-SO2NHMe-Ph
4087	4-F	CH2COMe	2-CF3-Ph
4088	4-F	CH2COMe	2-OMe-Ph
4089	4-F	CH2COMe	2-SMe-Ph
4090	4-F	CH2COMe	2-SOMe-Ph
4091	4-F	CH2COMe	2-SO2Me-Ph
4092	4-F	CH2COMe	2-OH-Ph
4093	4-F	CH2COMe	2-CH2OH-Ph
4094	4-F	CH2COMe	2-CHOHMe-Ph
4095	4-F	CH2COMe	2-COH (Me) 2-Ph
4095	4-F	CH2COMe CH2COMe	2-Con (Me) 2-FII 2-Me-Ph
4097	4-F	CH2COMe	2-Et-Ph
4098	4-F	CH2COMe	2-iPr-Ph
4099	4-F	CH2COMe	2-tBu-Ph
4100	4-F	CH2COMe	2-CH2CO2Me-Ph
4101	4-F	CH2COMe	2-(1-piperidinyl)-Ph
4102	4-F	CH2COMe	2-(1-pyrrolidinyl)-Ph
4103	4-F	CH2COMe	2-(2-imidazolyl)-Ph
4104	4-F	CH2COMe	2-(1-imidazolyl)-Ph
4105	4-F	CH2COMe	2-(2-thiazolyl)-Ph
4106	4-F	CH2COMe	2-(3-pyrazolyl)-Ph
4107	4-F	CH2COMe	2-(1-pyrazolyl)-Ph
4108	4-F	CH2COMe	2-(5-Me-1-tetrazoly1)-Ph
4109	4-F	CH2COMe	2-(1-Me-5-tetrazolyl)-Ph
4110	4-F	CH2COMe	2-(2-pyridyl)-Ph
4111	4-F	CH2COMe	2-(2-thienyl)-Ph
4112	4-F	CH2COMe	2-(2-furanyl)-Ph
4113	4-F	CH2COMe	2,4-diF-Ph
4114	4-F	CH2COMe	2,5-diF-Ph
4115	4-F	CH2COMe	2,6-diF-Ph
4116	4-F	CH2COMe	3,4-diF-Ph
4117	4-F	CH2COMe	3,5-diF-Ph
4118	4-F	CH2COMe	2,4-diCl-Ph
4119	4-F	CH2COMe	2,5-diCl-Ph
4120	4-F	CH2COMe	2,6-diCl-Ph
4121	4-F	CH2COMe	3,4-diCl-Ph
4122	4-F	CH2COMe	3,5-diCl-Ph
4123	4-F	CH2COMe	3,4-diCF3-Ph
4124	4-F	CH2COMe	3,5-diCF3-Ph
4125	4-F	CH2COMe	5-C1-2-MeO-Ph
4126	4-F	CH2COMe	5-C1-2-MeO-Ph
		CH2COMe CH2COMe	2-F-5-Me-Ph
4127	4-F		
4128	4-F	CH2COMe	3-F-5-morpholino-Ph
4129	4-F	CH2COMe	3,4-OCH2O-Ph

1120	1 4 1	CH2COMe	2 4 OGUIZGUIZO Ph
4130	4-F	+	3,4-OCH2CH2O-Ph
4131	4-F	CH2COMe	2-MeO-5-CONH2-Ph
4132	4-F	CH2COMe	2-MeO-4-(1-Me-5-tetrazoly1)-Ph
4133	4-F	CH2COMe	2-MeO-5-(1-Me-5-tetrazoly1)-Ph
4134	4-F	CH2COMe	3-CONH2-5-(1-Me-5-tetrazoly1)-Ph
4135	4-F	CH2COMe	1-naphthyl
4136	4-F	CH2COMe	2-naphthyl
4137	4-F	CH2COMe	2-thienyl
4138	4-F	CH2COMe	3-thienyl
4139	4-F	CH2COMe	2-furanyl
4140	4-F	CH2COMe	3-furanyl
4141	4-F	CH2COMe	2-pyridyl
4142	4-F	CH2COMe	3-pyridyl
4143	4-F	CH2COMe	4-pyridyl
4144	4-F	CH2COMe	2-indolyl
4145	4-F	CH2COMe	3-indolyl
4146	4-F	CH2COMe	5-indolyl
4147	4-F	CH2COMe	6-indolyl
4148	4-F	CH2COMe	3-indazolyl
4149	4-F	CH2COMe	5-indazolyl
4150	4-F	CH2COMe	6-indazolyl
4151	4-F	CH2COMe	2-imidazolyl
4152	4-F	CH2COMe	3-isoxazoyl
4153	4-F	CH2COMe	3-pyrazolyl
4154	4-F	CH2COMe	2-thiadiazolyl
4155	4-F	CH2COMe	2-thiazolyl
4156	4-F	CH2COMe	5-Ac-4-Me-2-thiazolyl
4157	4-F	CH2COMe	5-tetrazolyl
4158	4-F	CH2COMe	2-benzimidazolyl
4159	4-F	CH2COMe	5-benzimidazolyl
4160	4-F	CH2COMe	2-benzothiazolyl
4161	4-F	CH2COMe	5-benzothiazolyl
4162	4-F	CH2COMe	2-benzoxazoly1
4163	4-F	CH2COMe	5-benzoxazoly1
4164	4-F	CH2COMe	1-adamantyl
4165	4-F	CH2COMe	2-adamantyl
4166	4-F	CH2COMe	i-Pr
4167	4-F	CH2COMe	t-Bu
4168	4-F	CH2COMe	c-Hex
4169	4-F	CH2COMe	CH2CH2OMe
4170	4-F	CH2COMe	CH2CONH2
4171	4-F	CH2COMe	CH2CO2Me
4172	4-F	CH2COMe	CH(CH2Ph)CO2Me
4173	4-F	CH2COMe	CH2CH2NMe2
4174	4-F	CH2COMe	benzyl
4175	4-F	CH2COMe	phenethyl
4176	4-F	CH2COMe	2-(morpholin-1-yl)-Et
4177	4-C1	Н	Ph
4178	4-C1	н	3-CN-Ph
4179	4-C1	н	3-COMe-Ph
4180	4-C1	H	3-CO2Me-Ph
4181	4-C1	H	3-CONH2-Ph
4182	4-C1	H	3-CONHMe-Ph
4183	4-C1	H	3-F-Ph
4184	4-C1	н	3-Cl-Ph
	_ =		

110E	1 (01)	<del></del>	2 Dm Dh
4185	4-C1	<u>H</u>	3-Br-Ph
4186	4-C1	H	3-SO2NH2-Ph
4187	4-C1	H	3-SO2NHMe-Ph
4188	4-C1	H	3-CF3-Ph
4189	4-C1	H	3-OMe-Ph
4190	4-C1	H	3-SMe-Ph
4191	4-C1	H	3-SOMe-Ph
4192	4-C1	H	3-SO2Me-Ph
4193	4-C1	Н	3-OH-Ph
4194	4-C1	H	3-CH2OH-Ph
4195	4-C1	H	3-CHOHMe-Ph
4196	4-C1	Н	3-COH (Me) 2-Ph
4197	4-C1	Н	3-Me-Ph
4198	4-C1	Н	3-Et-Ph
4199	4-C1	Н	3-iPr-Ph
4200	4-C1	H	3-tBu-Ph
4201	4-C1	H	3-CH2CO2Me-Ph
4202	4-C1	H	3-(1-piperidinyl)-Ph
4203	4-C1	H	3-(1-pyrrolidinyl)-Ph
4203		H	3-(1-pyrroridinyr)-Fn 3-(2-imidazolyl)-Ph
	4-C1		
4205	4-C1	H	3-(1-imidazoly1)-Ph
4206	4-C1	H	3-(2-thiazolyl)-Ph
4207	4-C1	Н	3-(3-pyrazolyl)-Ph
4208	4-C1	H	3-(1-pyrazolyl)-Ph
4209	4-C1	H	3-(5-Me-1-tetrazolyl)-Ph
4210	4-C1	H	3-(1-Me-5-tetrazolyl)-Ph
4211	4-C1	H	3-(2-pyridyl)-Ph
4212	4-C1	H	3-(2-thienyl)-Ph
4213	4-C1	H	3-(2-furanyl)-Ph
4214	4-C1	H	4-CN-Ph
4215	4-C1	H	4-COMe-Ph
4216	4-C1	H	4-CO2Me-Ph
4217	4-C1	Н	4-CONH2-Ph
4218	4-C1	Н	4-CONHMe-Ph
4219	4-C1	Н	4-CONHPh-Ph
4220	4-C1	Н	4-F-Ph
4221	4-C1	Н	4-C1-Ph
4222	4-C1	Н	4-Br-Ph
4223	4-C1	H	4-SO2NH2-Ph
4224	4-C1	H	4-SO2NHMe-Ph
4225	4-C1	H	4-CF3-Ph
4225	4-C1	H	4-OMe-Ph
4227	4-C1	H	4-SMe-Ph
			4-SME-Ph
4228	4-C1	H	
4229	4-C1	H	4-SO2Me-Ph
4230	4-C1	H	4-OH-Ph
4231	4-C1	H	4-CH2OH-Ph
4232	4-C1	H	4-CHOHMe-Ph
4233	4-C1	H	4-COH (Me) 2-Ph
4234	4-C1	H	4-Me-Ph
4235	4-C1	H	4-Et-Ph
4236	4-C1	H	4-iPr-Ph
4237	4-C1	Н	4-tBu-Ph
4238	4-C1	Н	4-CH2CO2Me-Ph
4239	4-C1	H	4-(1-piperidinyl)-Ph

4240	1 (0)	TT	4 (1 nymnolidinyl) Dh
4240	4-Cl	<u> </u>	4-(1-pyrrolidinyl)-Ph
4241	4-C1	H	4-(2-imidazoly1)-Ph
4242	4-C1	H	4-(1-imidazoly1)-Ph
4243	4-C1	H	4-(2-thiazolyl)-Ph
4244	4-C1	H	4-(3-pyrazolyl)-Ph
4245	4-C1	H	4-(1-pyrazolyl)-Ph
4246	4-C1	H	4-(5-Me-1-tetrazoly1)-Ph
4247	4-C1	H	4-(1-Me-5-tetrazoly1)-Ph
4248	4-C1	H	4-(2-pyridy1)-Ph
4249	4-C1	H	4-(2-thieny1)-Ph
4250	4-C1	H	4-(2-furany1)-Ph
4251	4-C1	H	2-CN-Ph
4252	4-C1	H	2-COMe-Ph
4253	4-C1	H	2-CO2Me-Ph
4254	4-C1	H	2-CONH2-Ph
4255	4-C1	H	2-CONHMe-Ph
4256	4-C1	H	2-F-Ph
4257	4-C1	H	2-C1-Ph
4258	4-C1	Н	2-Br-Ph
4259	4-C1	H	2-S02NH2-Ph
4260	4-C1	H	2-SO2NHMe-Ph
4261	4-C1	H	2-CF3-Ph
4262	4-C1	H	2-OMe-Ph
4263	4-C1	H	2-SMe-Ph
4264	4-C1	H	2-SOMe-Ph
4265	4-Cl	H	2-SO2Me-Ph
4266	4-C1	H	2-OH-Ph
4267	4-C1	H	2-CH2OH-Ph
4268	4-C1	H	2-CHOHMe-Ph
4269	4-C1	H	2-COH(Me)2-Ph
4270	4-C1	H	2-Me-Ph
4271	4-C1	H	2-Et-Ph
4272	4-C1	H	2-iPr-Ph
4273	4-C1	H	2-tBu-Ph
4274	4-C1	H	2-CH2CO2Me-Ph
4275	4-C1	Н	2-(1-piperidinyl)-Ph
4276	4-C1	H	2-(1-pyrrolidinyl)-Ph
4277	4-C1	H	2-(2-imidazolyl)-Ph
4278	4-C1	H	2-(1-imidazoly1)-Ph
4279	4-C1	H	2-(2-thiazolyl)-Ph
4280	4-C1	H	2-(3-pyrazolyl)-Ph
4281	4-C1	H	2-(1-pyrazolyl)-Ph
4282	4-C1	H	2-(5-Me-1-tetrazolyl)-Ph
4283	4-Cl	H	2-(1-Me-5-tetrazolyl)-Ph
4284	4-C1	H	2-(2-pyridyl)-Ph
4285	4-C1	H	2-(2-thienyl)-Ph
4286	4-Cl	H	2-(2-furanyl)-Ph
4287	4-C1	H	2,4-diF-Ph
4288	4-C1	H	2,5-diF-Ph
4289	4-C1	Н	2,6-diF-Ph
4290	4-C1	H	3,4-diF-Ph
4291	4-Cl	Н	3,5-diF-Ph
4292	4-C1	H	2,4-diCl-Ph
4293	4-C1	Н	2,5-diCl-Ph
4294	4-C1	H	2,6-diCl-Ph

4005	1 4 01		2 4 4:07 Ph
4295	4-C1	<u>H</u>	3,4-diCl-Ph
4296	4-C1	H	3,5-diCl-Ph
4297	4-C1	H	3,4-diCF3-Ph
4298	4-C1	H	3,5-diCF3-Ph
4299	4-C1	H	5-C1-2-MeO-Ph
4300	4-C1_	H	5-Cl-2-Me-Ph
4301	4-C1	H	2-F-5-Me-Ph
4302	4-C1	Н	3-F-5-morpholino-Ph
4303	4-C1	H	3,4-OCH2O-Ph
4304	4-C1	H	3,4-OCH2CH2O-Ph
4305	4-C1	H	2-MeO-5-CONH2-Ph
4306	4-C1	H	2-MeO-4-(1-Me-5-tetrazolyl)-Ph
4307	4-C1	H	2-MeO-5-(1-Me-5-tetrazolyl)-Ph
4308	4-C1	Н	3-CONH2-5-(1-Me-5-tetrazolyl)-Ph
4309	4-C1	H	1-naphthyl
4310	4-C1	H	2-naphthyl
4311	4-C1	H	2-thienyl
4312	4-C1	H	3-thienyl
4313	4-C1	H	2-furanyl
4314	4-C1	H	3-furanyl
4314	4-C1	H	2-pyridyl
4315	4-C1	H	3-pyridyl
			4-pyridyl
4317	4-C1	H	
4318	4-C1	<u>H</u>	2-indolyl
4319	4-C1	<u> </u>	3-indolyl
4320	4-C1	H	5-indolyl
4321	4-C1	H	6-indolyl
4322	4-C1	H	3-indazolyl
4323	4-C1	H	5-indazolyl
4324	4-C1	<u>H</u>	6-indazolyl
4325	4-C1	H	2-imidazolyl
4326	4-C1	H	3-isoxazoyl
4327	4-C1	H	3-pyrazolyl
4328	4-C1	H	2-thiadiazolyl
4329	4-C1	H	2-thiazolyl
4330	4-C1	H	5-Ac-4-Me-2-thiazolyl
4331	4-C1	H	5-tetrazolyl
4332	4-C1	H	2-benzimidazolyl
4333	4-Cl	H	5-benzimidazolyl
4334	4-C1	H	2-benzothiazolyl
4335	4-C1	H	5-benzothiazolyl
4336	4-C1	Н	2-benzoxazolyl
4337	4-C1	Н	5-benzoxazolyl
4338	4-C1	H	1-adamantyl
4339	4-C1	H	2-adamantyl
4340	4-C1	H	i-Pr
4341	4-C1	H	t-Bu
4342	4-C1	H	c-Hex
4343	4-C1	Н	CH2CH2OMe
4344	4-C1	H	CH2CONH2
4345	4-C1	H	CH2CO2Me
4346	4-C1	H	CH (CH2Ph) CO2Me
4347	4-C1	H	CH2CH2NMe2
4347	4-C1	H	benzyl
4349	4-C1	<u>H</u>	phenethyl

4250	1 4 63	<del></del>	1 1 1 1 1 1
4350	4-C1	H	2-(morpholin-1-yl)-Et
4351	4-C1	Me	Ph
4352	4-C1	Me	3-CN-Ph
4353	4-C1	Me	3-COMe-Ph
4354	4-C1	Me	3-C02Me-Ph
4355	4-C1	Me	3-CONH2-Ph
4356	4-C1	Me	3-CONHMe-Ph
4357	4-C1	Me	3-F-Ph
4358	4-C1	Me	3-C1-Ph
4359	4-C1	Me	3-Br-Ph
4360	4-C1	Me	3-SO2NH2-Ph
4361	4-C1	Me	3-SO2NHMe-Ph
4362	4-C1	Me	3-CF3-Ph
4363	4-C1	Me	3-OMe-Ph
4364	4-C1	Me	3-SMe-Ph
4365	4-C1	Me	3-SOMe-Ph
4366	4-C1	Me	3-SO2Me-Ph
4367	4-C1	Me	3-OH-Ph
4368	4-C1	Me	3-CH2OH-Ph
4369	4-C1	Me	3-CHOHMe-Ph
4370	4-Cl	Me	3-COH (Me) 2-Ph
4371	4-C1	Me	3-Me-Ph
4372	4-Cl	Me	3-Et-Ph
4373	4-C1	Me	3-iPr-Ph
4374	4-C1	Me	3-tBu-Ph
4375	4-C1	Me	3-CH2CO2Me-Ph
4376	4-C1	Me	3-(1-piperidinyl)-Ph
4377	4-C1	Me	3-(1-pyrrolidinyl)-Ph
4378	4-C1	Me	3-(2-imidazolyl)-Ph
4379	4-C1	Me	3-(1-imidazolyl)-Ph
4380	4-Cl	Me	3-(2-thiazolyl)-Ph
4381	4-C1	Me	3-(3-pyrazoly1)-Ph
4382	4-C1	Me	3-(1-pyrazolyl)-Ph
4383	4-C1	Me	3-(5-Me-1-tetrazoly1)-Ph
4384	4-C1	Me	3-(1-Me-5-tetrazolyl)-Ph
4385	4-C1	Me	3-(2-pyridyl)-Ph
4386	4-Cl	Me	3-(2-thienyl)-Ph
4387	4-C1	Me	3-(2-furany1)-Ph
4388	4-C1	Me	4-CN-Ph
4389	4-C1	Me	4-COMe-Ph
4390	4-C1	Me	4-CO2Me-Ph
4391	4-Cl	Me	4-CONH2-Ph
4392	4-C1	Me	4-CONHMe-Ph
4393	4-C1	Me	4-CONHPh-Ph
4394	4-C1	Me	4-F-Ph
4395	4-Cl	Me	4-Cl-Ph
4396	4-C1	Me	4-Br-Ph
4397	4-C1	Me	4-SO2NH2-Ph
4398	4-Cl	Me	4-SO2NHMe-Ph
4399	4-C1	Me	4-CF3-Ph
4400	4-Cl	Me	4-OMe-Ph
4401	4-C1	Me	4-SMe-Ph
4402	4-C1	Me	4-SOMe-Ph
4403	4-C1	Me	4-SO2Me-Ph
4404	4-C1	Me	4-OH-Ph

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4405	4-C1	Me	4-CH2OH-Ph
4406	4-C1	Me	4-CHOHMe-Ph
4407	4-C1	Me	4-COH(Me)2-Ph
4408	4-C1	Me	4-Me-Ph
4409	4-C1	Me	4-Et-Ph
4410	4-C1	Me	4-iPr-Ph
4411	4-C1	Me	4-tBu-Ph
4412	4-C1	Me	4-CH2CO2Me-Ph
4413	4-C1	Me	4-(1-piperidinyl)-Ph
4414	4-C1	Me	4-(1-pyrrolidinyl)-Ph
4415	4-C1	Me	4-(2-imidazoly1)-Ph
4416	4-C1	Me	4-(1-imidazolyl)-Ph
4417	4-C1	Me	4-(2-thiazolyl)-Ph
4418	4-C1	Me	4-(3-pyrazolyl)-Ph
4419	4-C1	Me	4-(1-pyrazoly1)-Ph
4420	4-C1	Me	4-(5-Me-1-tetrazolyl)-Ph
4421	4-C1	Me	4-(1-Me-5-tetrazolyl)-Ph
4422	4-C1	Me	4-(2-pyridyl)-Ph
4423	4-C1	Me	4-(2-thienyl)-Ph
4424	4-C1	Me	4-(2-furanyl)-Ph
4425	4-C1	Me	2-CN-Ph
4426	4-C1	Me	2-COMe-Ph
4427	4-Cl	Me	2-CO2Me-Ph
4428	4-C1	Me	2-CONH2-Ph
4429	4-C1_	Me	2-CONHMe-Ph
4430	4-Cl	Me	2-F-Ph
4431	4-C1	Me	2-C1-Ph
4432	4-C1	Me	2-Br-Ph
4433	4-C1	Me	2-SO2NH2-Ph
4434	4-C1	Me	2-SO2NHMe-Ph
4435	4-C1	Me	2-CF3-Ph
4436	4-C1	Me	2-OMe-Ph
4437	4-C1	Me	2-SMe-Ph
4438	4-C1	Me	2-SOMe-Ph
4439	4-C1	Me	2-SO2Me-Ph
4440	4-C1	Me	2-OH-Ph
4441	4-C1	Me	2-CH2OH-Ph
4442	4-C1	Me	2-CHOHMe-Ph
4443	4-C1	Me	2-COH (Me) 2-Ph
4444	4-C1	Me	2-Me-Ph
4445	4-C1	Me	2-He-FH 2-Et-Ph
	<del></del>		2-EC-PH 2-iPr-Ph
4446	4-Cl	Me	
4447	4-C1	Me Me	2-tBu-Ph
4448	4-C1	Me	2-CH2CO2Me-Ph
4449	4-C1	Me	2-(1-piperidinyl)-Ph
4450	4-C1	Me	2-(1-pyrrolidinyl)-Ph
4451	4-C1	Me	2-(2-imidazolyl)-Ph
4452	4-Cl	Me	2-(1-imidazolyl)-Ph
4453	4-C1	Me	2-(2-thiazolyl)-Ph
4454	4-C1	Me	2-(3-pyrazolyl)-Ph
4455	4-Cl	Me	2-(1-pyrazolyl)-Ph
4456	4-C1	Me	2-(5-Me-1-tetrazolyl)-Ph
4457	4-Cl	Me	2-(1-Me-5-tetrazolyl)-Ph
4458	4-C1	Me	2-(2-pyridyl)-Ph
4459	4-C1	Me	2-(2-thienyl)-Ph
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4460	4-Cl	Me	2-(2-furanyl)-Ph
4461	4-C1	Me	2,4-diF-Ph
4462	4-C1	Me	2,5-diF-Ph
4463	4-C1	Me	2,6-diF-Ph
4464	4-C1	Me	3,4-diF-Ph
4465	4-C1	Me	3,5-diF-Ph
4466	4-C1	Me	2,4-diCl-Ph
4467	4-C1	Me	2,5-diCl-Ph
4468	4-Cl	Me	2,6-diCl-Ph
4469	4-C1	Me	3,4-diCl-Ph
4470	4-C1	Me	3,5-diCl-Ph
4471	4-C1	Me	3,4-diCF3-Ph
4472	4-C1	Me	3,5-diCF3-Ph
4473	4-C1	Me	5-Cl-2-MeO-Ph
4474	4-C1	Me	5-Cl-2-Me-Ph
4475	4-Cl	Me	2-F-5-Me-Ph
4476	4-C1	Me	3-F-5-morpholino-Ph
4477	4-C1	Me	3,4-OCH2O-Ph
4478	4-C1	Me	3,4-OCH2CH2O-Ph
4479	4-C1	Me	2-MeO-5-CONH2-Ph
4480	4-C1	Me	2-MeO-4-(1-Me-5-tetrazoly1)-Ph
4481	4-C1	Me	2-MeO-5-(1-Me-5-tetrazoly1)-Ph
4482	4-C1	Me	3-CONH2-5-(1-Me-5-tetrazolyl)-Ph
4483	4-C1	Me	1-naphthyl
4484	4-C1	Me	2-naphthyl
4485	4-C1	Me	2-thienyl
4486	4-C1	Me	3-thienyl
4487	4-C1	Me	2-furanyl
4488	4-C1	Me	3-furanyl
4489	4-C1	Me	2-pyridyl
4490	4-C1	Me	3-pyridyl
4491	4-C1	Me	4-pyridyl
4492	4-C1	Me	2-indolyl
4493	4-C1	Me	3-indolyl
4494	4-C1	Me	5-indolyl
4495	4-C1	Me	6-indoly1
4496	4-C1	Me	3-indazolyl
4497	4-C1	Me	5-indazolyl
4498	4-C1	Me	6-indazolyl
4499	4-C1	Me	2-imidazolyl
4500	4-C1	Me	3-isoxazoyl
4501	4-C1	Me	3-pyrazolyl
4502	4-C1	Me	2-thiadiazolyl
4503	4-C1	Me	2-thiazolyl
4504	4-C1	Me	5-Ac-4-Me-2-thiazolyl
4505	4-C1	Me	5-tetrazolyl
4506	4-C1	Me	2-benzimidazolyl
4507	4-C1	Me	5-benzimidazolyl
4508	4-Cl	Me	2-benzothiazolyl
4509	4-C1	Me	5-benzothiazolyl
4510	4-C1	Me	2-benzoxazolyl
4511	4-C1	Me	5-benzoxazolyl
4512	4-C1	Me	1-adamantyl
4513	4-C1	Me	2-adamantyl
4514	4-C1	Me	i-Pr

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4515	4-C1	Me	t-Bu
4516	4-C1	Me	C-Hex
4517	4-C1	Me	CH2CH2OMe
4518	4-C1	Me	CH2CONH2
4519	4-C1	Me	CH2CO2Me
4520	4-C1	Me	CH (CH2Ph) CO2Me
4521	4-C1	Me	CH2CH2NMe2
4522	4-C1	Me	benzyl
4523	4-Cl	Me	phenethyl
4524	4-C1	Me	2-(morpholin-1-yl)-Et
4525	4-C1	2-F-Et	Ph
4526	4-C1	<u>2-F-Et</u>	3-CN-Ph
4527	4-C1	_2-F-Et	3-COMe-Ph
4528	4-Cl	2-F-Et	3-CO2Me-Ph
4529	4-Cl	2-F-Et	3-CONH2-Ph
4530	4-C1	2-F-Et	3-CONHMe-Ph
4531	4-C1	2-F-Et	3-F-Ph
4532	4-Cl	2-F-Et	3-Cl-Ph
4533	4-C1	2-F-Et	3-Br-Ph
4534	4-Cl	2-F-Et	3-SO2NH2-Ph
4535	4-C1	2-F-Et	3-SO2NHMe-Ph
4536	4-C1	2-F-Et	3-CF3-Ph
4537	4-C1	2-F-Et	3-OMe-Ph
4538	4-C1	2-F-Et	3-SMe-Ph
4539	4-Cl	2-F-Et	3-SOMe-Ph
4540	4-C1	2-F-Et	3-SO2Me-Ph
4541	4-C1	2-F-Et	3-OH-Ph
4542	4-C1	2-F-Et	3-CH2OH-Ph
4543	4-C1	2-F-Et	3-CHOHMe-Ph
4544	4-C1	2-F-Et	3-COH(Me)2-Ph
4545	4-C1	2-F-Et	3-Me-Ph
4546	4-C1	2-F-Et	3-Et-Ph
4547	4-C1	2-F-Et	3-iPr-Ph
4548	4-C1	2-F-Et	3-tBu-Ph
4549	4-C1	2-F-Et	3-CH2CO2Me-Ph
4550	4-C1	2-F-Et	3-(1-piperidinyl)-Ph
4551	4-C1	2-F-Et	3-(1-pyrrolidinyl)-Ph
4552	4-C1	2-F-Et	3-(2-imidazoly1)-Ph
4553	4-C1	2-F-Et	3-(1-imidazolyl)-Ph
4554	4-C1	2-F-Et	3-(2-thiazolyl)-Ph
4555	4-C1	2-F-Et	3-(3-pyrazolyl)-Ph
4556	4-C1	2-F-Et	3-(1-pyrazolyl)-Ph
4557	4-C1	2-F-Et	3-(5-Me-1-tetrazolyl)-Ph
4558	4-C1	2-F-Et	3-(1-Me-5-tetrazolyl)-Ph
4559	4-C1	2-F-Et	3-(2-pyridyl)-Ph
4560	4-C1	2-F-Et	3-(2-thienyl)-Ph
4561	4-C1	2-F-Et	3-(2-furanyl)-Ph
4562	4-C1	2-F-Et	4-CN-Ph
4563	4-C1	2-F-Et	4-COMe-Ph
4564	4-C1	2-F-Et	4-CO2Me-Ph
4565	4-C1	2-F-Et	4-CONH2-Ph
4566	4-C1	2-F-Et	4-CONHMe-Ph
4567	4-C1	2-F-Et	4-CONHPh-Ph
4568	4-C1	2-F-Et	4-F-Ph
4569	4-C1	2-F-Et	4-C1-Ph
4303	1 4-CT		

4570	4-C1	2-F-Et	4-Br-Ph
4571	4-C1	2-F-Et	4-SO2NH2-Ph
4572	4-C1	2-F-Et	4-SO2NHMe-Ph
4573	4-C1	2-F-Et	4-CF3-Ph
4574	4-C1	2-F-Et	4-OMe-Ph
4575	4-C1	2-F-Et	4-SMe-Ph
4576	4-C1	2-F-Et	4-SOMe-Ph
4577	4-C1	2-F-Et	4-SO2Me-Ph
4578	4-C1	2-F-Et	4-OH-Ph
4579	4-C1	2-F-Et	4-CH2OH-Ph
4579	4-C1	2-F-Et	4-CHOHMe-Ph
4581	4-C1	2-F-Et	4-COH (Me) 2-Ph
4582	4-C1	2-F-Et	4-Me-Ph
4583	4-C1	2-F-Et	4-Et-Ph
4584	4-C1	2-F-Et	4-iPr-Ph
4585		2-F-Et	4-tBu-Ph
	4-C1	2-F-Et	4-CH2CO2Me-Ph
4586	4-C1	2-F-Et	4-(1-piperidinyl)-Ph
4587	4-Cl	2-F-Et	4-(1-pyrrolidinyl)-Ph
4588	4-C1	2-F-Et	4-(1-pyllolldliyl)-Fii 4-(2-imidazolyl)-Ph
4589	4-C1	2-F-Et	4-(2-imidazolyl)-Ph
4590	4-C1	2-F-Et	4-(1-1midazoly1)-Ph 4-(2-thiazoly1)-Ph
4591	4-C1	2-F-Et	4-(2-thiazoly1)-Ph 4-(3-pyrazoly1)-Ph
4592	4-C1		
4593	4-C1	2-F-Et	4-(1-pyrazolyl)-Ph
4594	4-C1	2-F-Et	4-(5-Me-1-tetrazolyl)-Ph
4595	4-Cl	2-F-Et	4-(1-Me-5-tetrazolyl)-Ph
4596	4-C1	2-F-Et	4-(2-pyridyl)-Ph
4597	4-C1	2-F-Et	4-(2-thienyl)-Ph
4598	4-Cl	2-F-Et	4-(2-furany1)-Ph 2-CN-Ph
4599	4-C1	2-F-Et	2-CN-FII 2-COMe-Ph
4600 4601	4-Cl	2-F-Et 2-F-Et	2-COME-FII 2-CO2Me-Ph
	4-C1 4-C1	2-F-Et	2-CO2Me-Fit 2-CONH2-Ph
4602	4-C1	2-F-Et	2-CONHZ-FH 2-CONHMe-Ph
4603	4-C1 4-C1	2-F-Et	2-CONHME-FII 2-F-Ph
4604	4-C1	2-F-Et	2-F-FH 2-C1-Ph
	4-C1	2-F-Et	2-Br-Ph
4606 4607	4-C1	2-F-Et	2-SO2NH2-Ph
			2-SO2NHMe-Ph
4608	4-Cl 4-Cl	2-F-Et 2-F-Et	2-S02NHMe-F11 2-CF3-Ph
	4-C1	2-F-Et	2-CF3-FH 2-OMe-Ph
4610	4-C1 4-C1		2-SMe-Ph
4611		2-F-Et 2-F-Et	2-SMe-Ph
4612	4-Cl 4-Cl		2-SOME-PH 2-SO2Me-Ph
		2-F-Et	2-302Me-FII 2-OH-Ph
4614	4-C1	2-F-Et	2-OH-PH 2-CH2OH-Ph
4615	4-Cl	2-F-Et	2-CH2OH-Ph 2-CHOHMe-Ph
4616	4-C1	2-F-Et 2-F-Et	2-CHOHME-PH 2-COH(Me)2-Ph
4617	4-C1	2-F-Et 2-F-Et	2-COH (Me) 2-Ph 2-Me-Ph
4618	4-C1		2-Me-Ph 2-Et-Ph
4619	4-Cl	2-F-Et	
4620	4-Cl	2-F-Et	2-iPr-Ph
4621	4-C1	2-F-Et	2-tBu-Ph
4622	4-Cl	2-F-Et	2-CH2CO2Me-Ph
4623	4-Cl	2-F-Et	2-(1-piperidinyl)-Ph
4624	4-C1	2-F-Et_	2-(1-pyrrolidinyl)-Ph

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4625	4-C1	2-F-Et	2-(2-imidazolyl)-Ph
4626	4-C1	2-F-Et	2-(1-imidazolyl)-Ph
4627	4-C1	2-F-Et	2-(2-thiazoly1)-Ph
4628	4-C1	2-F-Et	2-(3-pyrazoly1)-Ph
4629	4-C1	2-F-Et	2-(1-pyrazoly1)-Ph
4630	4-C1	2-F-Et	2-(5-Me-1-tetrazolyl)-Ph
4631	4-C1	2-F-Et	2-(1-Me-5-tetrazoly1)-Ph
4632	4-C1		2-(2-pyridyl)-Ph
4633	4-C1	2-F-Et	2-(2-thienyl)-Ph
4634	4-C1	2-F-Et	2-(2-furanyl)-Ph
4635	4-Cl	2-F-Et	2,4-diF-Ph
4636	4-C1	2-F-Et	2,5-diF-Ph
4637	4-C1	2-F-Et	2,6-diF-Ph
4638	4-C1	2-F-Et	3,4-diF-Ph
4639	4-C1	2-F-Et	3,5-diF-Ph
4640	4-C1	2-F-Et	2,4-diCl-Ph
4641	4-C1	2-F-Et	2,5-diCl-Ph
4642	4-C1	2-F-Et	2,6-diCl-Ph
4643	4-C1	2-F-Et	3,4-diCl-Ph
4644	4-Cl	2-F-Et	3,5-diCl-Ph
4645	4-C1	2-F-Et	3,4-diCF3-Ph
4646	4-C1	2-F-Et	3,5-diCF3-Ph
4647	4-C1	2-F-Et	5-Cl-2-MeO-Ph
4648	4-Cl	2-F-Et	5-Cl-2-Me-Ph
4649	4-C1	2-F-Et	2-F-5-Me-Ph
4650	4-C1	2-F-Et	3-F-5-morpholino-Ph
4651	4-C1	2-F-Et	3,4-OCH2O-Ph
4652	4-C1	2-F-Et	3,4-OCH2CH2O-Ph
4653	4-C1	2-F-Et	2-MeO-5-CONH2-Ph
4654	4-C1	2-F-Et	2-MeO-4-(1-Me-5-tetrazolyl)-Ph
4655	4-C1	2-F-Et	2-MeO-5-(1-Me-5-tetrazoly1)-Ph
4656	4-C1	2-F-Et	3-CONH2-5-(1-Me-5-tetrazolyl)-Ph
4657	4-C1	2-F-Et	1-naphthyl
4658	4-C1	2-F-Et	2-naphthy1
4659	4-C1	2-F-Et	2-thienyl
4660	4-C1	2-F-Et	3-thienyl
4661	4-C1	2-F-Et	2-furanyl
	4-C1	2-F-Et	3-furanyl
4662 4663	4-C1	2-F-Et 2-F-Et	2-pyridyl
4664	4-Cl	2-F-Et	3-pyridyl
4665	4-Cl	2-F-Et	4-pyridyl
4666	4-C1	2-F-Et	2-indolyl
4667	4-C1	2-F-Et	3-indolyl
4668	4-C1	2-F-Et	5-indolyl
4669	4-Cl	2-F-Et	6-indolyl
4670	4-C1	2-F-Et	3-indazolyl
4671	4-C1	2-F-Et	5-indazolyl
4672	4-C1	2-F-Et	6-indazolyl
4673	4-Cl	2-F-Et	2-imidazolyl
4674	4-C1	2-F-Et	3-isoxazoyl
4675	4-Cl	2-F-Et	3-pyrazolyl
4676	4-C1	2-F-Et	2-thiadiazolyl
4677	4-C1	2-F-Et	2-thiazolyl
4678	4-Cl	2-F-Et	5-Ac-4-Me-2-thiazolyl
4679	4-C1	2-F-Et	5-tetrazolyl
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4680	4-C1	2-F-Et	2-benzimidazolyl
4681	4-C1	2-F-Et	5-benzimidazolyl
4682	4-C1	2-F-Et	2-benzothiazolyl
4683	4-C1	2-F-Et	5-benzothiazolyl
4684	4-C1	2-F-Et	2-benzoxazolyl
4685	4-C1	2-F-Et	5-benzoxazolyl
4686	4-C1	2-F-Et	1-adamantyl
4687	4-C1	2-F-Et	2-adamantyl
4688	4-C1	2-F-Et	i-Pr
4689	4-C1	2-F-Et	t-Bu
4690	4-C1	2-F-Et	c-Hex
4691	4-C1	2-F-Et	CH2CH2OMe
4692	4-C1	2-F-Et	CH2CONH2
4693	4-C1	2-F-Et	CH2CO2Me
4694	4-C1	2-F-Et	CH (CH2Ph) CO2Me
4695	4-C1	2-F-Et	CH2CH2NMe2
4696	4-C1	2-F-Et	benzyl
		2-F-Et	phenethyl
4697 4698	4-Cl 4-Cl	2-F-Et	2-(morpholin-1-yl)-Et
4699	4-C1	CO2Me	Ph 3-CN-Ph
4700	4-Cl	CO2Me	
4701	4-C1	CO2Me	3-COMe-Ph
4702	4-C1	CO2Me	3-CO2Me-Ph
4703	4-C1	CO2Me	3-CONH2-Ph
4704	4-Cl	CO2Me	3-CONHMe-Ph
4705	4-C1	CO2Me	3-F-Ph
4706	4-C1	CO2Me	3-C1-Ph
4707	4-Cl	CO2Me	3-Br-Ph
4708	4-Cl	CO2Me	3-SO2NH2-Ph
4709	4-C1	CO2Me	3-SO2NHMe-Ph
4710	4-Cl	CO2Me	3-CF3-Ph 3-OMe-Ph
4711	4-C1	CO2Me	3-SMe-Ph
4712	4-C1	CO2Me	3-SMe-Ph
4713	4-C1	CO2Me	
4714	4-Cl	CO2Me	3-SO2Me-Ph 3-OH-Ph
4715	4-Cl	CO2Me	3-OH-Ph 3-CH2OH-Ph
4716	4-C1	CO2Me	
4717	4-C1	CO2Me	3-CHOHMe-Ph
4718	4-C1	CO2Me	3-COH (Me) 2-Ph
4719	4-C1	CO2Me	3-Me-Ph
4720	4-C1	CO2Me	3-Et-Ph
4721	4-Cl	CO2Me	3-iPr-Ph
4722	4-C1	CO2Me	3-tBu-Ph
4723	4-C1	CO2Me	3-CH2CO2Me-Ph
4724	4-C1	CO2Me	3-(1-piperidinyl)-Ph
4725	4-Cl	CO2Me	3-(1-pyrrolidinyl)-Ph
4726	4-C1	CO2Me	3-(2-imidazolyl)-Ph
4727	4-C1	CO2Me	3-(1-imidazoly1)-Ph
4728	4-C1	CO2Me	3-(2-thiazolyl)-Ph
4729	4-C1	CO2Me	3-(3-pyrazolyl)-Ph
4730	4-C1	CO2Me	3-(1-pyrazolyl)-Ph
4731	4-C1	CO2Me	3-(5-Me-1-tetrazoly1)-Ph
4732	4-Cl	CO2Me	3-(1-Me-5-tetrazolyl)-Ph
4733	4-C1	CO2Me	3-(2-pyridyl)-Ph
4734	4-C1	CO2Me	3-(2-thienyl)-Ph

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4735	4-C1	CO2Me_	3-(2-furanyl)-Ph
4736	4-C1	CO2Me	4-CN-Ph
4737	4-C1	CO2Me	4-COMe-Ph
4738	4-C1	CO2Me	4-CO2Me-Ph
4739	4-C1	CO2Me	4-CONH2-Ph
4740	4-C1	CO2Me	4-CONHMe-Ph
4741	4-C1	CO2Me	4-CONHPh-Ph
4742	4-C1	CO2Me	4-F-Ph
4743	4-C1	CO2Me	4-Cl-Ph
4744	4-C1	CO2Me	4-Br-Ph
4745	4-C1	CO2Me	4-SO2NH2-Ph
4746	4-C1	CO2Me	4-SO2NHMe-Ph
4747	4-C1	CO2Me	4-CF3-Ph
4748	4-C1	CO2Me	4-OMe-Ph
4749	4-C1	CO2Me	4-SMe-Ph
4750	4-C1	CO2Me	4-SOMe-Ph
4751	4-C1	CO2Me	4-SO2Me-Ph
4752	4-C1	CO2Me	4-OH-Ph
4753	4-C1	CO2Me	4-CH2OH-Ph
4754	4-C1	CO2Me	4-CHOHMe-Ph
4755	4-C1	CO2Me	4-COH (Me) 2-Ph
4756	4-C1	CO2Me	4-Me-Ph
4757	4-C1	CO2Me	4-Et-Ph
4758	4-C1	CO2Me	4-iPr-Ph
4759	4-C1	CO2Me	4-tBu-Ph
4760	4-C1	CO2Me	4-CH2CO2Me-Ph
4761	4-C1	CO2Me	4-(1-piperidinyl)-Ph
4762	4-C1	CO2Me	4-(1-pyrrolidiny1)-Ph
4763	4-C1	CO2Me	4-(2-imidazolyl)-Ph
4764	4-C1	CO2Me	4-(1-imidazoly1)-Ph
4765	4-C1	CO2Me	4-(2-thiazolyl)-Ph
4766	4-C1	CO2Me	4-(3-pyrazolyl)-Ph
4767	4-C1	CO2Me	4-(1-pyrazoly1)-Ph
4768	4-C1	CO2Me	4-(5-Me-1-tetrazoly1)-Ph
4769	4-C1	CO2Me	4-(1-Me-5-tetrazoly1)-Ph
4770	4-C1	CO2Me	4-(2-pyridy1)-Ph
4771	4-C1	CO2Me	4-(2-thienyl)-Ph
4772	4-C1	CO2Me	4-(2-furanyl)-Ph
4773	4-C1	CO2Me	2-CN-Ph
4774	4-C1		2-CN-FH 2-COMe-Ph
4775	4-C1	CO2Me	2-COME-PH 2-CO2Me-Ph
4776	4-C1 4-C1	CO2Me CO2Me	2-CO2ME-FII 2-CONH2-Ph
4777	4-C1 4-C1	CO2Me	2-CONH2-PH 2-CONHMe-Ph
			2-CONAME-FII 2-F-Ph
4778	4-C1	CO2Me	2-F-Ph 2-C1-Ph
4779	4-C1	CO2Me	
4780	4-C1	CO2Me	2-Br-Ph
4781	4-Cl	CO2Me	2-SO2NH2-Ph
4782	4-C1	CO2Me	2-SO2NHMe-Ph
4783	4-C1	CO2Me	2-CF3-Ph
4784	4-Cl	CO2Me	2-OMe-Ph
4785	4-C1	CO2Me	2-SMe-Ph
4786	4-C1	CO2Me	2-SOMe-Ph
4787	4-Cl	CO2Me	2-S02Me-Ph
4788	4-Cl	CO2Me	2-OH-Ph
4789	4-C1	CO2Me	2-CH2OH-Ph

4790         4-Cl         CO2Me         2-COH(Me) 2-Ph           4791         4-Cl         CO2Me         2-Me-Ph           4793         4-Cl         CO2Me         2-Et-Ph           4794         4-Cl         CO2Me         2-ipr-Ph           4795         4-Cl         CO2Me         2-ch2cOMe-Ph           4797         4-Cl         CO2Me         2-(1-piperidinyl)-Ph           4798         4-Cl         CO2Me         2-(1-piperidinyl)-Ph           4799         4-Cl         CO2Me         2-(1-imidazolyl)-Ph           4800         4-Cl         CO2Me         2-(2-imidazolyl)-Ph           4800         4-Cl         CO2Me         2-(1-imidazolyl)-Ph           4801         4-Cl         CO2Me         2-(1-imidazolyl)-Ph           4802         4-Cl         CO2Me         2-(1-imidazolyl)-Ph           4803         4-Cl         CO2Me         2-(3-pyrazolyl)-Ph           4804         4-Cl         CO2Me         2-(5-me-1-tetrazolyl)-Ph           4805         4-Cl         CO2Me         2-(5-me-1-tetrazolyl)-Ph           4806         4-Cl         CO2Me         2-(1-Me-5-tetrazolyl)-Ph           4807         4-Cl         CO2Me         2-(2-thiacyl)-Ph <th></th> <th>1 4</th> <th></th> <th></th>		1 4		
4792   4-C1	4790	4-C1	CO2Me	2-CHOHMe-Ph
4793				
4794   4-Cl   CO2Me   2-tBu-Ph   4795   4-Cl   CO2Me   2-tBu-Ph   4796   4-Cl   CO2Me   2-tBu-Ph   4797   4-Cl   CO2Me   2-(1-piperidinyl)-Ph   4798   4-Cl   CO2Me   2-(1-piperidinyl)-Ph   4798   4-Cl   CO2Me   2-(1-piperidinyl)-Ph   4800   4-Cl   CO2Me   2-(2-tmidazolyl)-Ph   4800   4-Cl   CO2Me   2-(2-tmidazolyl)-Ph   4801   4-Cl   CO2Me   2-(2-tmiadzolyl)-Ph   4802   4-Cl   CO2Me   2-(2-tmiadzolyl)-Ph   4803   4-Cl   CO2Me   2-(1-pyrazolyl)-Ph   4804   4-Cl   CO2Me   2-(1-pyrazolyl)-Ph   4805   4-Cl   CO2Me   2-(1-pyrazolyl)-Ph   4805   4-Cl   CO2Me   2-(1-me-5-tetrazolyl)-Ph   4806   4-Cl   CO2Me   2-(2-tmienyl)-Ph   4807   4-Cl   CO2Me   2-(2-tmienyl)-Ph   4809   4-Cl   CO2Me   2-(2-tmienyl)-Ph   4809   4-Cl   CO2Me   2-(2-tmienyl)-Ph   4811   4-Cl   CO2Me   2-(2-tmienyl)-Ph   4811   4-Cl   CO2Me   2-(3-diF-Ph   4811   4-Cl   CO2Me   2-(3-diF-Ph   4812   4-Cl   CO2Me   2-(3-diF-Ph   4813   4-Cl   CO2Me   2-(3-diF-Ph   4814   4-Cl   CO2Me   2-(3-diCl-Ph   4815   4-Cl   CO2Me   2-(3-diCl-Ph   4816   4-Cl   CO2Me   2-(3-diCl-Ph   4816   4-Cl   CO2Me   2-(3-diCl-Ph   4816   4-Cl   CO2Me   2-(3-diCl-Ph   4817   4-Cl   CO2Me   2-(3-diCl-Ph   4818   4-Cl   CO2Me   3-(3-diCl-Ph   4824   4-Cl   CO2Me   3-(3-diCF3-Ph   4824   4-Cl				
4795   4-Cl   CO2Me   2-HBU-Ph   4796   4-Cl   CO2Me   2-(H2CO2Me-Ph   4797   4-Cl   CO2Me   2-(1-piperidinyl)-Ph   4798   4-Cl   CO2Me   2-(1-piperidinyl)-Ph   4798   4-Cl   CO2Me   2-(1-imidazolyl)-Ph   4800   4-Cl   CO2Me   2-(2-imidazolyl)-Ph   4800   4-Cl   CO2Me   2-(2-imidazolyl)-Ph   4801   4-Cl   CO2Me   2-(2-thiazolyl)-Ph   4802   4-Cl   CO2Me   2-(3-pyrazolyl)-Ph   4803   4-Cl   CO2Me   2-(3-pyrazolyl)-Ph   4804   4-Cl   CO2Me   2-(5-Me-1-tetrazolyl)-Ph   4805   4-Cl   CO2Me   2-(5-Me-1-tetrazolyl)-Ph   4806   4-Cl   CO2Me   2-(2-thienyl)-Ph   4806   4-Cl   CO2Me   2-(2-thienyl)-Ph   4807   4-Cl   CO2Me   2-(2-thienyl)-Ph   4808   4-Cl   CO2Me   2-(2-thienyl)-Ph   4809   4-Cl   CO2Me   2-(2-thienyl)-Ph   4810   4-Cl   CO2Me   2-(2-thienyl)-Ph   4811   4-Cl   CO2Me   2,5-diF-Ph   4812   4-Cl   CO2Me   2,5-diF-Ph   4813   4-Cl   CO2Me   3,4-diF-Ph   4814   4-Cl   CO2Me   3,5-diF-Ph   4815   4-Cl   CO2Me   2,5-diCl-Ph   4816   4-Cl   CO2Me   2,5-diCl-Ph   4816   4-Cl   CO2Me   2,5-diCl-Ph   4816   4-Cl   CO2Me   2,5-diCl-Ph   4817   4-Cl   CO2Me   3,5-diCF3-Ph   4824   4-Cl   CO2Me   3,5-diCF3-Ph   4829   4-Cl   CO2Me   3,5-diCF3-Ph   4829   4-Cl   CO2Me   3,5-diCF3-Ph   4820   4-Cl   CO2Me   3,5-diCF3-Ph   4821   4-Cl   CO2Me   3,5-diCF3-Ph   4822   4-Cl   CO2Me   3,5-diCF3-Ph   4824   4-Cl   CO2Me   3,5-diCF3-Ph   4824   4-Cl   CO2Me   3,5-diCF3-Ph   4824   4-Cl   CO2Me   3,5-diCF3-Ph   4824   4-Cl   CO2Me   3,5-diCF3-Ph   4826   4-Cl   CO2Me   3,5-diCF3-Ph   4836   4-Cl   CO2Me   3,5-diCF3-Ph   4836   4-Cl   CO2Me   3,5-diCF3-				
4796				
4797				
4798				<u> </u>
4799				
4800   4-Cl   CO2Me   2-(1-imidazolyl)-Ph   4801   4-Cl   CO2Me   2-(2-thiazolyl)-Ph   4802   4-Cl   CO2Me   2-(3-pyrazolyl)-Ph   4803   4-Cl   CO2Me   2-(1-pyrazolyl)-Ph   4804   4-Cl   CO2Me   2-(5-Me-1-tetrazolyl)-Ph   4805   4-Cl   CO2Me   2-(1-Me-5-tetrazolyl)-Ph   4806   4-Cl   CO2Me   2-(1-Me-5-tetrazolyl)-Ph   4807   4-Cl   CO2Me   2-(2-thienyl)-Ph   4808   4-Cl   CO2Me   2-(2-thienyl)-Ph   4809   4-Cl   CO2Me   2-(2-thienyl)-Ph   4809   4-Cl   CO2Me   2-(2-thienyl)-Ph   4810   4-Cl   CO2Me   2-(3-diF-Ph   4811   4-Cl   CO2Me   2-(3-diF-Ph   4812   4-Cl   CO2Me   3-(3-diF-Ph   4813   4-Cl   CO2Me   3-(3-diF-Ph   4814   4-Cl   CO2Me   3-(3-diCl-Ph   4815   4-Cl   CO2Me   2-(3-diCl-Ph   4816   4-Cl   CO2Me   2-(3-diCl-Ph   4816   4-Cl   CO2Me   2-(3-diCl-Ph   4817   4-Cl   CO2Me   3-(3-diCl-Ph   4819   4-Cl   CO2Me   3-(3-diCl-Ph   4820   4-Cl   CO2Me   3-(3-diCl-Ph   4820   4-Cl   CO2Me   3-(3-diCl-Ph   4820   4-Cl   CO2Me   3-(3-diCl-Ph   4821   4-Cl   CO2Me   3-(3-diCl-Ph   4822   4-Cl   CO2Me   3-(3-diCl-Ph   4823   4-Cl   CO2Me   3-(3-diCl-Ph   4824   4-Cl   CO2Me   3-(3-diCl-Ph   4825   4-Cl   CO2Me   3-(3-diCl-Ph   4826   4-Cl   CO2Me   3-(3-diCl-Ph   4826   4-Cl   CO2Me   3-(3-diCl-Ph   4828   4-Cl   CO2Me   3-(3-diCl-Ph   4828   4-Cl   CO2Me   3-(3-diCl-Ph   4828   4-Cl   CO2Me   3-(3-diCl-Ph   4828   4-Cl   CO2Me   3-(3-diCl-Ph   4831   4-Cl   CO2Me   3-(3-diCl-Ph   3-(3-diCl-Ph   4831   4-Cl   CO2Me   3-(3-diCl-Ph   3-(3-di				
4801         4-Cl         CO2Me         2-(2-thiazolyl)-Ph           4802         4-Cl         CO2Me         2-(3-pyrazolyl)-Ph           4803         4-Cl         CO2Me         2-(1-pyrazolyl)-Ph           4804         4-Cl         CO2Me         2-(5-Me-1-tetrazolyl)-Ph           4805         4-Cl         CO2Me         2-(2-pyridyl)-Ph           4806         4-Cl         CO2Me         2-(2-thienyl)-Ph           4807         4-Cl         CO2Me         2-(2-furanyl)-Ph           4808         4-Cl         CO2Me         2,4-diF-Ph           4810         4-Cl         CO2Me         2,5-diF-Ph           4811         4-Cl         CO2Me         2,5-diF-Ph           4811         4-Cl         CO2Me         3,5-diF-Ph           4813         4-Cl         CO2Me         2,5-diCl-Ph           4814         4-Cl         CO2Me         2,5-diCl-Ph           4815         4-Cl         CO2Me         2,5-diCl-Ph           4816         4-Cl         CO2Me         3,5-diCF3-Ph           4817         4-Cl         CO2Me         3,5-diCF3-Ph           4820         4-Cl         CO2Me         3,5-diCF3-Ph           4821 <t< td=""><td></td><td></td><td></td><td></td></t<>				
4802				
4803				
4804   4-Cl   CO2Me   2-(5-Me-1-tetrazoly1)-Ph   4805   4-Cl   CO2Me   2-(1-Me-5-tetrazoly1)-Ph   4806   4-Cl   CO2Me   2-(2-pyridy1)-Ph   4807   4-Cl   CO2Me   2-(2-thieny1)-Ph   4808   4-Cl   CO2Me   2-(2-thieny1)-Ph   4809   4-Cl   CO2Me   2-(2-furany1)-Ph   4810   4-Cl   CO2Me   2,5-diF-Ph   4811   4-Cl   CO2Me   2,6-diF-Ph   4813   4-Cl   CO2Me   3,4-diF-Ph   4814   4-Cl   CO2Me   3,5-diF-Ph   4815   4-Cl   CO2Me   2,5-diCl-Ph   4816   4-Cl   CO2Me   2,6-diCl-Ph   4816   4-Cl   CO2Me   2,5-diCl-Ph   4817   4-Cl   CO2Me   2,6-diCl-Ph   4818   4-Cl   CO2Me   2,6-diCl-Ph   4818   4-Cl   CO2Me   3,4-diCF3-Ph   4818   4-Cl   CO2Me   3,4-diCF3-Ph   4819   4-Cl   CO2Me   3,4-diCF3-Ph   4820   4-Cl   CO2Me   3,5-diCF3-Ph   4820   4-Cl   CO2Me   3,5-diCF3-Ph   4821   4-Cl   CO2Me   3,5-diCF3-Ph   4822   4-Cl   CO2Me   3,5-diCF3-Ph   4823   4-Cl   CO2Me   3-F-5-morpholino-Ph   4824   4-Cl   CO2Me   3-F-5-morpholino-Ph   4825   4-Cl   CO2Me   3,4-OCH2O-Ph   4826   4-Cl   CO2Me   3,4-OCH2O-Ph   4827   4-Cl   CO2Me   2-MeO-5-(CNH2-Ph   4828   4-Cl   CO2Me   2-MeO-5-(CNH2-Ph   4829   4-Cl   CO2Me   2-MeO-5-(CNH2-Ph   4829   4-Cl   CO2Me   2-MeO-5-(CNH2-Ph   4830   4-Cl   CO2Me   2-MeO-5-(1-Me-5-tetrazoly1)-Ph   4830   4-Cl   CO2Me   2-MeO-5-(1-Me-5-tetrazoly1)-Ph   4831   4-Cl   CO2Me   2-MeO-5-(1-Me-5-tetrazoly1)-Ph   4833   4-Cl   CO2Me   2-MeO-5-(1-Me-5-tetrazoly1)-Ph   4834   4-Cl   CO2Me   2-MeO-5-(1-Me-5-tetrazoly1)-Ph   4836   4-Cl   CO2Me   2-MeO-5-(1-Me-5-tetrazoly1)-Ph   4831   4-Cl   CO2Me   2-MeO-5-(1-Me-5-tetrazoly1)-Ph   4834   4-Cl   CO2Me   2-MeO-5-(1-Me-5-tetrazoly1)-Ph   4836   4-Cl   CO2Me   2-MeO-5-(1-Me-5-tetrazoly1)-Ph   4836   4-Cl   CO2Me   2-MeO-5-(1-Me-5-tetrazoly1)-Ph   4836   4-Cl   CO2Me   2-MeO-5-(1-Me-5-tetrazoly1)-Ph				
4805         4-C1         CO2Me         2-(1-Me-5-tetrazoly1)-Ph           4806         4-C1         CO2Me         2-(2-pyridy1)-Ph           4807         4-C1         CO2Me         2-(2-furany1)-Ph           4808         4-C1         CO2Me         2-(2-furany1)-Ph           4809         4-C1         CO2Me         2,4-diF-Ph           4810         4-C1         CO2Me         2,5-diF-Ph           4811         4-C1         CO2Me         3,5-diF-Ph           4812         4-C1         CO2Me         3,5-diF-Ph           4813         4-C1         CO2Me         2,5-diC1-Ph           4814         4-C1         CO2Me         2,5-diC1-Ph           4815         4-C1         CO2Me         2,6-diC1-Ph           4816         4-C1         CO2Me         3,5-diCF3-Ph           4817         4-C1         CO2Me         3,5-diC1-Ph           4819         4-C1         CO2Me         3,5-diC1-Ph           4820         4-C1         CO2Me         3,5-diC1-Ph           4821         4-C1         CO2Me         3,5-diC1-Ph           4823         4-C1         CO2Me         3,5-diC1-Ph           4824         4-C1 <td< td=""><td></td><td></td><td></td><td></td></td<>				
4806         4-C1         CO2Me         2-(2-pyridy1)-Ph           4807         4-C1         CO2Me         2-(2-thieny1)-Ph           4808         4-C1         CO2Me         2-(2-furany1)-Ph           4809         4-C1         CO2Me         2,4-diF-Ph           4810         4-C1         CO2Me         2,5-diF-Ph           4811         4-C1         CO2Me         2,6-diF-Ph           4812         4-C1         CO2Me         3,5-diF-Ph           4813         4-C1         CO2Me         2,4-diC1-Ph           4814         4-C1         CO2Me         2,5-diC1-Ph           4815         4-C1         CO2Me         2,5-diC1-Ph           4816         4-C1         CO2Me         3,5-diC1-Ph           4817         4-C1         CO2Me         3,5-diC1-Ph           4818         4-C1         CO2Me         3,5-diC1-Ph           4819         4-C1         CO2Me         3,5-diCF3-Ph           4820         4-C1         CO2Me         3,5-diCF3-Ph           4821         4-C1         CO2Me         3,5-diCF3-Ph           4823         4-C1         CO2Me         2-F-5-Me-Ph           4824         4-C1         CO2Me				
4807         4-C1         CO2Me         2-(2-thieny1)-Ph           4808         4-C1         CO2Me         2-(2-furany1)-Ph           4809         4-C1         CO2Me         2,4-diF-Ph           4810         4-C1         CO2Me         2,5-diF-Ph           4811         4-C1         CO2Me         3,4-diF-Ph           4812         4-C1         CO2Me         3,4-diF-Ph           4813         4-C1         CO2Me         3,5-diF-Ph           4814         4-C1         CO2Me         2,5-diC1-Ph           4815         4-C1         CO2Me         2,5-diC1-Ph           4816         4-C1         CO2Me         3,4-diC1-Ph           4818         4-C1         CO2Me         3,5-diC1-Ph           4819         4-C1         CO2Me         3,5-diC1-Ph           4820         4-C1         CO2Me         3,5-diC53-Ph           4821         4-C1         CO2Me         3,5-diC53-Ph           4822         4-C1         CO2Me         3-F-5-Me-Ph           4823         4-C1         CO2Me         3-F-5-Me-Ph           4824         4-C1         CO2Me         3,4-OCH2CH2O-Ph           4825         4-C1         CO2Me				
4808         4-C1         CO2Me         2-(2-furany1)-Ph           4809         4-C1         CO2Me         2,4-diF-Ph           4810         4-C1         CO2Me         2,5-diF-Ph           4811         4-C1         CO2Me         2,6-diF-Ph           4812         4-C1         CO2Me         3,4-diF-Ph           4813         4-C1         CO2Me         3,5-diF-Ph           4814         4-C1         CO2Me         2,5-diC1-Ph           4815         4-C1         CO2Me         2,5-diC1-Ph           4816         4-C1         CO2Me         3,4-diC1-Ph           4817         4-C1         CO2Me         3,4-diC1-Ph           4818         4-C1         CO2Me         3,5-diC1-Ph           4819         4-C1         CO2Me         3,5-diCF3-Ph           4820         4-C1         CO2Me         3,5-diCF3-Ph           4821         4-C1         CO2Me         5-C1-2-MeO-Ph           4823         4-C1         CO2Me         5-C1-2-MeO-Ph           4824         4-C1         CO2Me         3,4-OCH2O-Ph           4825         4-C1         CO2Me         3,4-OCH2O-Ph           4826         4-C1         CO2Me				
4809         4-C1         CO2Me         2,4-diF-Ph           4810         4-C1         CO2Me         2,5-diF-Ph           4811         4-C1         CO2Me         2,6-diF-Ph           4812         4-C1         CO2Me         3,4-diF-Ph           4813         4-C1         CO2Me         3,5-diF-Ph           4814         4-C1         CO2Me         2,5-diC1-Ph           4815         4-C1         CO2Me         2,6-diC1-Ph           4816         4-C1         CO2Me         3,4-diC1-Ph           4817         4-C1         CO2Me         3,4-diC1-Ph           4818         4-C1         CO2Me         3,4-diC1-Ph           4819         4-C1         CO2Me         3,5-diC1-Ph           4821         4-C1         CO2Me         3,5-diC73-Ph           4821         4-C1         CO2Me         3,5-diC73-Ph           4822         4-C1         CO2Me         3,5-diC73-Ph           4823         4-C1         CO2Me         3-F-5-me-Ph           4824         4-C1         CO2Me         3-F-5-me-Ph           4825         4-C1         CO2Me         3,4-OCH2O-Ph           4826         4-C1         CO2Me         3,				
4810         4-C1         CO2Me         2,5-diF-Ph           4811         4-C1         CO2Me         2,6-diF-Ph           4812         4-C1         CO2Me         3,4-diF-Ph           4813         4-C1         CO2Me         3,5-diF-Ph           4814         4-C1         CO2Me         2,4-diC1-Ph           4815         4-C1         CO2Me         2,6-diC1-Ph           4816         4-C1         CO2Me         3,4-diC1-Ph           4818         4-C1         CO2Me         3,5-diC1-Ph           4819         4-C1         CO2Me         3,5-diCF3-Ph           4820         4-C1         CO2Me         3,5-diCF3-Ph           4821         4-C1         CO2Me         3,5-diCF3-Ph           4822         4-C1         CO2Me         3,5-diCF3-Ph           4821         4-C1         CO2Me         3,5-diCF3-Ph           4822         4-C1         CO2Me         3,5-diCF3-Ph           4823         4-C1         CO2Me         3,5-diCF3-Ph           4824         4-C1         CO2Me         3-F-5-morpholino-Ph           4825         4-C1         CO2Me         3-F-5-morpholino-Ph           4826         4-C1         CO2Me				
4811         4-Cl         CO2Me         3,4-diF-Ph           4812         4-Cl         CO2Me         3,5-diF-Ph           4813         4-Cl         CO2Me         3,5-diF-Ph           4814         4-Cl         CO2Me         2,4-diCl-Ph           4815         4-Cl         CO2Me         2,5-diCl-Ph           4816         4-Cl         CO2Me         3,4-diCl-Ph           4817         4-Cl         CO2Me         3,5-diCl-Ph           4818         4-Cl         CO2Me         3,5-diCF3-Ph           4819         4-Cl         CO2Me         3,5-diCF3-Ph           4820         4-Cl         CO2Me         5-Cl-2-Me-Ph           4821         4-Cl         CO2Me         5-Cl-2-Me-Ph           4822         4-Cl         CO2Me         3-F-5-morpholino-Ph           4823         4-Cl         CO2Me         3,4-OCH2C-Ph           4824         4-Cl         CO2Me         3,4-OCH2CH2O-Ph           4825         4-Cl         CO2Me         3,4-OCH2CH2O-Ph           4826         4-Cl         CO2Me         2-MeO-5-CONH2-Ph           4829         4-Cl         CO2Me         2-MeO-5-(1-Me-5-tetrazolyl)-Ph           4830         4-Cl				
4812         4-C1         CO2Me         3,4-diF-Ph           4813         4-C1         CO2Me         3,5-diF-Ph           4814         4-C1         CO2Me         2,4-diCl-Ph           4815         4-C1         CO2Me         2,5-diCl-Ph           4816         4-C1         CO2Me         3,4-diCl-Ph           4817         4-C1         CO2Me         3,5-diCl-Ph           4818         4-C1         CO2Me         3,5-diCF3-Ph           4820         4-C1         CO2Me         3,5-diCF3-Ph           4821         4-C1         CO2Me         5-C1-2-Me-Ph           4822         4-C1         CO2Me         5-C1-2-Me-Ph           4823         4-C1         CO2Me         3-F-5-morpholino-Ph           4824         4-C1         CO2Me         3,4-OCH2O-Ph           4825         4-C1         CO2Me         3,4-OCH2CH2O-Ph           4826         4-C1         CO2Me         2-MeO-5-CONH2-Ph           4827         4-C1         CO2Me         2-MeO-5-CONH2-Ph           4828         4-C1         CO2Me         2-MeO-5-(1-Me-5-tetrazoly1)-Ph           4830         4-C1         CO2Me         3-CONH2-5-(1-Me-5-tetrazoly1)-Ph           483				2,5-diF-Ph
4813         4-C1         CO2Me         3,5-diF-Ph           4814         4-C1         CO2Me         2,4-diCl-Ph           4815         4-C1         CO2Me         2,5-diCl-Ph           4816         4-C1         CO2Me         3,4-diCl-Ph           4817         4-C1         CO2Me         3,4-diCF3-Ph           4818         4-C1         CO2Me         3,5-diCF3-Ph           4820         4-C1         CO2Me         3,5-diCF3-Ph           4821         4-C1         CO2Me         5-C1-2-MeO-Ph           4822         4-C1         CO2Me         5-C1-2-MeO-Ph           4823         4-C1         CO2Me         3-F-5-morpholino-Ph           4824         4-C1         CO2Me         3,4-OCH2O-Ph           4825         4-C1         CO2Me         3,4-OCH2CH2O-Ph           4826         4-C1         CO2Me         2-MeO-5-CONH2-Ph           4827         4-C1         CO2Me         2-MeO-5-(1-Me-5-tetrazoly1)-Ph           4829         4-C1         CO2Me         2-MeO-5-(1-Me-5-tetrazoly1)-Ph           4830         4-C1         CO2Me         3-CONH2-5-(1-Me-5-tetrazoly1)-Ph           4831         4-C1         CO2Me         2-naphthy1 <tr< td=""><td></td><td></td><td></td><td>2,6-diF-Ph</td></tr<>				2,6-diF-Ph
4814         4-C1         CO2Me         2,5-diCl-Ph           4815         4-C1         CO2Me         2,5-diCl-Ph           4816         4-C1         CO2Me         2,6-diCl-Ph           4817         4-C1         CO2Me         3,4-diCl-Ph           4818         4-C1         CO2Me         3,5-diCl-Ph           4819         4-C1         CO2Me         3,5-diCF3-Ph           4820         4-C1         CO2Me         5-Cl-2-MeO-Ph           4821         4-C1         CO2Me         5-Cl-2-MeO-Ph           4822         4-C1         CO2Me         5-Cl-2-MeO-Ph           4823         4-C1         CO2Me         3-F-5-morpholino-Ph           4824         4-C1         CO2Me         3,4-OCH2CH2O-Ph           4825         4-C1         CO2Me         3,4-OCH2CH2O-Ph           4826         4-C1         CO2Me         2-MeO-5-CONH2-Ph           4828         4-C1         CO2Me         2-MeO-5-(1-Me-5-tetrazoly1)-Ph           4830         4-C1         CO2Me         2-MeO-5-(1-Me-5-tetrazoly1)-Ph           4831         4-C1         CO2Me         2-naphthy1           4833         4-C1         CO2Me         2-naphthy1           4834				3,4-diF-Ph
4815         4-C1         CO2Me         2,5-diC1-Ph           4816         4-C1         CO2Me         2,6-diC1-Ph           4817         4-C1         CO2Me         3,4-diC1-Ph           4818         4-C1         CO2Me         3,5-diC1-Ph           4819         4-C1         CO2Me         3,5-diCF3-Ph           4820         4-C1         CO2Me         5-C1-2-MeO-Ph           4821         4-C1         CO2Me         5-C1-2-Me-Ph           4823         4-C1         CO2Me         2-F-5-Me-Ph           4824         4-C1         CO2Me         3-F-5-morpholino-Ph           4825         4-C1         CO2Me         3,4-OCH2C-Ph           4826         4-C1         CO2Me         2-MeO-5-CONH2-Ph           4827         4-C1         CO2Me         2-MeO-5-CONH2-Ph           4828         4-C1         CO2Me         2-MeO-5-(1-Me-5-tetrazoly1)-Ph           4830         4-C1         CO2Me         2-MeO-5-(1-Me-5-tetrazoly1)-Ph           4831         4-C1         CO2Me         2-naphthy1           4833         4-C1         CO2Me         2-naphthy1           4833         4-C1         CO2Me         2-tineny1           4834	4813			3,5-diF-Ph
4816         4-C1         CO2Me         2,6-diC1-Ph           4817         4-C1         CO2Me         3,4-diC1-Ph           4818         4-C1         CO2Me         3,5-diC1-Ph           4819         4-C1         CO2Me         3,5-diCF3-Ph           4820         4-C1         CO2Me         3,5-diCF3-Ph           4821         4-C1         CO2Me         5-C1-2-MeO-Ph           4822         4-C1         CO2Me         5-C1-2-Me-Ph           4823         4-C1         CO2Me         3-F-5-morpholino-Ph           4824         4-C1         CO2Me         3,4-OCH2O-Ph           4825         4-C1         CO2Me         3,4-OCH2CH2O-Ph           4826         4-C1         CO2Me         2-MeO-5-CONH2-Ph           4827         4-C1         CO2Me         2-MeO-5-CONH2-Ph           4828         4-C1         CO2Me         2-MeO-5-(1-Me-5-tetrazoly1)-Ph           4830         4-C1         CO2Me         2-MeO-5-(1-Me-5-tetrazoly1)-Ph           4831         4-C1         CO2Me         2-naphthy1           4833         4-C1         CO2Me         2-naphthy1           4833         4-C1         CO2Me         2-thieny1           4836 </td <td>4814</td> <td></td> <td>CO2Me</td> <td></td>	4814		CO2Me	
4817         4-C1         CO2Me         3,4-diC1-Ph           4818         4-C1         CO2Me         3,5-diC1-Ph           4819         4-C1         CO2Me         3,4-diCF3-Ph           4820         4-C1         CO2Me         3,5-diCF3-Ph           4821         4-C1         CO2Me         5-C1-2-MeO-Ph           4822         4-C1         CO2Me         5-C1-2-MeO-Ph           4823         4-C1         CO2Me         3-F-5-morpholino-Ph           4824         4-C1         CO2Me         3,4-OCH2O-Ph           4825         4-C1         CO2Me         3,4-OCH2CH2O-Ph           4826         4-C1         CO2Me         2-MeO-5-CONH2-Ph           4827         4-C1         CO2Me         2-MeO-5-CONH2-Ph           4828         4-C1         CO2Me         2-MeO-5-(1-Me-5-tetrazoly1)-Ph           4830         4-C1         CO2Me         3-CONH2-5-(1-Me-5-tetrazoly1)-Ph           4831         4-C1         CO2Me         2-naphthyl           4833         4-C1         CO2Me         2-thienyl           4833         4-C1         CO2Me         2-thienyl           4836         4-C1         CO2Me         3-furanyl           4837 </td <td></td> <td></td> <td></td> <td></td>				
4818         4-C1         CO2Me         3,5-diC1-Ph           4819         4-C1         CO2Me         3,4-diCF3-Ph           4820         4-C1         CO2Me         3,5-diCF3-Ph           4821         4-C1         CO2Me         5-C1-2-Me-Ph           4822         4-C1         CO2Me         2-F-5-Me-Ph           4823         4-C1         CO2Me         3-F-5-morpholino-Ph           4824         4-C1         CO2Me         3,4-OCH2O-Ph           4825         4-C1         CO2Me         3,4-OCH2CH2O-Ph           4826         4-C1         CO2Me         2-MeO-5-CONH2-Ph           4827         4-C1         CO2Me         2-MeO-5-CONH2-Ph           4828         4-C1         CO2Me         2-MeO-5-(1-Me-5-tetrazoly1)-Ph           4830         4-C1         CO2Me         3-CONH2-5-(1-Me-5-tetrazoly1)-Ph           4831         4-C1         CO2Me         3-CONH2-5-(1-Me-5-tetrazoly1)-Ph           4831         4-C1         CO2Me         2-naphthy1           4833         4-C1         CO2Me         2-naphthy1           4833         4-C1         CO2Me         2-thieny1           4836         4-C1         CO2Me         3-furany1				2,6-diCl-Ph
4819       4-C1       CO2Me       3,4-diCF3-Ph         4820       4-C1       CO2Me       3,5-diCF3-Ph         4821       4-C1       CO2Me       5-C1-2-MeO-Ph         4822       4-C1       CO2Me       2-F-5-Me-Ph         4823       4-C1       CO2Me       3-F-5-morpholino-Ph         4824       4-C1       CO2Me       3,4-OCH2O-Ph         4825       4-C1       CO2Me       3,4-OCH2CH2O-Ph         4826       4-C1       CO2Me       2-MeO-5-CONH2-Ph         4827       4-C1       CO2Me       2-MeO-5-CONH2-Ph         4828       4-C1       CO2Me       2-MeO-5-(1-Me-5-tetrazoly1)-Ph         4829       4-C1       CO2Me       3-CONH2-5-(1-Me-5-tetrazoly1)-Ph         4830       4-C1       CO2Me       2-naphthy1         4831       4-C1       CO2Me       2-naphthy1         4833       4-C1       CO2Me       2-thieny1         4834       4-C1       CO2Me       2-thieny1         4835       4-C1       CO2Me       3-thieny1         4836       4-C1       CO2Me       3-pyridy1         4838       4-C1       CO2Me       3-pyridy1         4839       4-C1	4817			3,4-diCl-Ph
4820         4-C1         CO2Me         3,5-diCF3-Ph           4821         4-C1         CO2Me         5-C1-2-MeO-Ph           4822         4-C1         CO2Me         5-C1-2-Me-Ph           4823         4-C1         CO2Me         2-F-5-Me-Ph           4824         4-C1         CO2Me         3-F-5-morpholino-Ph           4825         4-C1         CO2Me         3,4-OCH2O-Ph           4826         4-C1         CO2Me         2-MeO-5-CONH2-Ph           4827         4-C1         CO2Me         2-MeO-5-CONH2-Ph           4828         4-C1         CO2Me         2-MeO-5-Letrazolyl)-Ph           4829         4-C1         CO2Me         2-MeO-5-(1-Me-5-tetrazolyl)-Ph           4830         4-C1         CO2Me         3-CONH2-5-(1-Me-5-tetrazolyl)-Ph           4831         4-C1         CO2Me         2-naphthyl           4833         4-C1         CO2Me         2-naphthyl           4834         4-C1         CO2Me         2-thienyl           4835         4-C1         CO2Me         2-furanyl           4836         4-C1         CO2Me         3-furanyl           4838         4-C1         CO2Me         3-pyridyl           4839				
4821         4-C1         CO2Me         5-C1-2-MeO-Ph           4822         4-C1         CO2Me         5-C1-2-Me-Ph           4823         4-C1         CO2Me         2-F-5-Me-Ph           4824         4-C1         CO2Me         3-F-5-morpholino-Ph           4825         4-C1         CO2Me         3,4-OCH2C-Ph           4826         4-C1         CO2Me         2-MeO-5-CONH2-Ph           4827         4-C1         CO2Me         2-MeO-5-CONH2-Ph           4828         4-C1         CO2Me         2-MeO-5-(1-Me-5-tetrazoly1)-Ph           4829         4-C1         CO2Me         2-MeO-5-(1-Me-5-tetrazoly1)-Ph           4830         4-C1         CO2Me         3-CONH2-5-(1-Me-5-tetrazoly1)-Ph           4831         4-C1         CO2Me         2-naphthy1           4832         4-C1         CO2Me         2-naphthy1           4833         4-C1         CO2Me         2-thieny1           4834         4-C1         CO2Me         3-thieny1           4835         4-C1         CO2Me         3-furany1           4836         4-C1         CO2Me         3-pyridy1           4839         4-C1         CO2Me         3-pyridy1 <td< td=""><td></td><td></td><td></td><td></td></td<>				
4822         4-C1         CO2Me         5-C1-2-Me-Ph           4823         4-C1         CO2Me         2-F-5-Me-Ph           4824         4-C1         CO2Me         3-F-5-morpholino-Ph           4825         4-C1         CO2Me         3,4-OCH2CH2O-Ph           4826         4-C1         CO2Me         2-MeO-5-CONH2-Ph           4827         4-C1         CO2Me         2-MeO-5-CONH2-Ph           4828         4-C1         CO2Me         2-MeO-5-(1-Me-5-tetrazoly1)-Ph           4829         4-C1         CO2Me         3-CONH2-5-(1-Me-5-tetrazoly1)-Ph           4830         4-C1         CO2Me         3-CONH2-5-(1-Me-5-tetrazoly1)-Ph           4831         4-C1         CO2Me         2-naphthy1           4832         4-C1         CO2Me         2-naphthy1           4833         4-C1         CO2Me         2-thieny1           4834         4-C1         CO2Me         2-furany1           4835         4-C1         CO2Me         3-furany1           4836         4-C1         CO2Me         3-pyridy1           4838         4-C1         CO2Me         3-pyridy1           4839         4-C1         CO2Me         3-indoly1 <t< td=""><td></td><td></td><td></td><td></td></t<>				
4823         4-C1         CO2Me         2-F-5-Me-Ph           4824         4-C1         CO2Me         3-F-5-morpholino-Ph           4825         4-C1         CO2Me         3,4-OCH2O-Ph           4826         4-C1         CO2Me         2-MeO-5-CONH2-Ph           4827         4-C1         CO2Me         2-MeO-4-(1-Me-5-tetrazoly1)-Ph           4828         4-C1         CO2Me         2-MeO-5-(1-Me-5-tetrazoly1)-Ph           4829         4-C1         CO2Me         3-CONH2-5-(1-Me-5-tetrazoly1)-Ph           4830         4-C1         CO2Me         3-CONH2-5-(1-Me-5-tetrazoly1)-Ph           4831         4-C1         CO2Me         2-naphthy1           4832         4-C1         CO2Me         2-naphthy1           4833         4-C1         CO2Me         2-thieny1           4834         4-C1         CO2Me         3-thieny1           4835         4-C1         CO2Me         2-pyridy1           4836         4-C1         CO2Me         3-pyridy1           4838         4-C1         CO2Me         3-pyridy1           4839         4-C1         CO2Me         2-indoly1           4841         4-C1         CO2Me         3-indoly1				
4824       4-Cl       CO2Me       3-F-5-morpholino-Ph         4825       4-Cl       CO2Me       3,4-OCH2O-Ph         4826       4-Cl       CO2Me       2-MeO-5-CONH2-Ph         4827       4-Cl       CO2Me       2-MeO-5-CONH2-Ph         4828       4-Cl       CO2Me       2-MeO-5-(1-Me-5-tetrazoly1)-Ph         4829       4-Cl       CO2Me       3-CONH2-5-(1-Me-5-tetrazoly1)-Ph         4830       4-Cl       CO2Me       1-naphthyl         4831       4-Cl       CO2Me       2-naphthyl         4832       4-Cl       CO2Me       2-thienyl         4833       4-Cl       CO2Me       3-thienyl         4834       4-Cl       CO2Me       2-furanyl         4835       4-Cl       CO2Me       3-furanyl         4836       4-Cl       CO2Me       3-pyridyl         4838       4-Cl       CO2Me       3-pyridyl         4839       4-Cl       CO2Me       4-pyridyl         4840       4-Cl       CO2Me       2-indolyl         4841       4-Cl       CO2Me       3-indolyl         4842       4-Cl       CO2Me       5-indolyl         4843       4-Cl       CO2Me				
4825         4-C1         CO2Me         3,4-OCH2O-Ph           4826         4-C1         CO2Me         3,4-OCH2CH2O-Ph           4827         4-C1         CO2Me         2-MeO-5-CONH2-Ph           4828         4-C1         CO2Me         2-MeO-4-(1-Me-5-tetrazoly1)-Ph           4829         4-C1         CO2Me         2-MeO-5-(1-Me-5-tetrazoly1)-Ph           4830         4-C1         CO2Me         3-CONH2-5-(1-Me-5-tetrazoly1)-Ph           4831         4-C1         CO2Me         2-naphthyl           4832         4-C1         CO2Me         2-naphthyl           4833         4-C1         CO2Me         2-thienyl           4834         4-C1         CO2Me         3-thienyl           4835         4-C1         CO2Me         3-furanyl           4836         4-C1         CO2Me         2-pyridyl           4838         4-C1         CO2Me         3-pyridyl           4839         4-C1         CO2Me         2-indolyl           4840         4-C1         CO2Me         3-indolyl           4841         4-C1         CO2Me         5-indolyl           4842         4-C1         CO2Me         6-indolyl				
4826         4-C1         CO2Me         3,4-OCH2CH2O-Ph           4827         4-C1         CO2Me         2-MeO-5-CONH2-Ph           4828         4-C1         CO2Me         2-MeO-4-(1-Me-5-tetrazoly1)-Ph           4829         4-C1         CO2Me         2-MeO-5-(1-Me-5-tetrazoly1)-Ph           4830         4-C1         CO2Me         3-CONH2-5-(1-Me-5-tetrazoly1)-Ph           4831         4-C1         CO2Me         1-naphthyl           4832         4-C1         CO2Me         2-naphthyl           4833         4-C1         CO2Me         2-thienyl           4834         4-C1         CO2Me         3-thienyl           4835         4-C1         CO2Me         3-furanyl           4836         4-C1         CO2Me         3-pyridyl           4838         4-C1         CO2Me         3-pyridyl           4839         4-C1         CO2Me         4-pyridyl           4840         4-C1         CO2Me         2-indolyl           4841         4-C1         CO2Me         5-indolyl           4842         4-C1         CO2Me         6-indolyl				
4827         4-C1         CO2Me         2-MeO-5-CONH2-Ph           4828         4-C1         CO2Me         2-MeO-4-(1-Me-5-tetrazoly1)-Ph           4829         4-C1         CO2Me         2-MeO-5-(1-Me-5-tetrazoly1)-Ph           4830         4-C1         CO2Me         3-CONH2-5-(1-Me-5-tetrazoly1)-Ph           4831         4-C1         CO2Me         1-naphthy1           4832         4-C1         CO2Me         2-naphthy1           4833         4-C1         CO2Me         2-thieny1           4834         4-C1         CO2Me         3-thieny1           4835         4-C1         CO2Me         2-furany1           4836         4-C1         CO2Me         3-furany1           4838         4-C1         CO2Me         3-pyridy1           4839         4-C1         CO2Me         4-pyridy1           4840         4-C1         CO2Me         2-indoly1           4841         4-C1         CO2Me         3-indoly1           4842         4-C1         CO2Me         5-indoly1           4843         4-C1         CO2Me         6-indoly1				
4828         4-Cl         CO2Me         2-MeO-4-(1-Me-5-tetrazolyl)-Ph           4829         4-Cl         CO2Me         2-MeO-5-(1-Me-5-tetrazolyl)-Ph           4830         4-Cl         CO2Me         3-CONH2-5-(1-Me-5-tetrazolyl)-Ph           4831         4-Cl         CO2Me         1-naphthyl           4832         4-Cl         CO2Me         2-naphthyl           4833         4-Cl         CO2Me         2-thienyl           4834         4-Cl         CO2Me         3-thienyl           4835         4-Cl         CO2Me         2-furanyl           4836         4-Cl         CO2Me         2-pyridyl           4838         4-Cl         CO2Me         3-pyridyl           4839         4-Cl         CO2Me         4-pyridyl           4840         4-Cl         CO2Me         2-indolyl           4841         4-Cl         CO2Me         3-indolyl           4842         4-Cl         CO2Me         5-indolyl           4843         4-Cl         CO2Me         6-indolyl				
4829       4-C1       CO2Me       2-MeO-5-(1-Me-5-tetrazolyl)-Ph         4830       4-C1       CO2Me       3-CONH2-5-(1-Me-5-tetrazolyl)-Ph         4831       4-C1       CO2Me       1-naphthyl         4832       4-C1       CO2Me       2-naphthyl         4833       4-C1       CO2Me       2-thienyl         4834       4-C1       CO2Me       3-thienyl         4835       4-C1       CO2Me       3-furanyl         4836       4-C1       CO2Me       2-pyridyl         4837       4-C1       CO2Me       3-pyridyl         4838       4-C1       CO2Me       4-pyridyl         4840       4-C1       CO2Me       2-indolyl         4841       4-C1       CO2Me       3-indolyl         4842       4-C1       CO2Me       5-indolyl         4843       4-C1       CO2Me       6-indolyl				
4830         4-C1         CO2Me         3-CONH2-5-(1-Me-5-tetrazolyl)-Ph           4831         4-C1         CO2Me         1-naphthyl           4832         4-C1         CO2Me         2-naphthyl           4833         4-C1         CO2Me         2-thienyl           4834         4-C1         CO2Me         3-thienyl           4835         4-C1         CO2Me         2-furanyl           4836         4-C1         CO2Me         3-furanyl           4837         4-C1         CO2Me         2-pyridyl           4838         4-C1         CO2Me         3-pyridyl           4849         4-C1         CO2Me         2-indolyl           4841         4-C1         CO2Me         3-indolyl           4842         4-C1         CO2Me         5-indolyl           4843         4-C1         CO2Me         6-indolyl				<del> </del>
4831       4-C1       CO2Me       1-naphthyl         4832       4-C1       CO2Me       2-naphthyl         4833       4-C1       CO2Me       2-thienyl         4834       4-C1       CO2Me       3-thienyl         4835       4-C1       CO2Me       2-furanyl         4836       4-C1       CO2Me       3-furanyl         4837       4-C1       CO2Me       2-pyridyl         4838       4-C1       CO2Me       3-pyridyl         4839       4-C1       CO2Me       4-pyridyl         4840       4-C1       CO2Me       2-indolyl         4841       4-C1       CO2Me       5-indolyl         4842       4-C1       CO2Me       5-indolyl         4843       4-C1       CO2Me       6-indolyl				
4832       4-C1       CO2Me       2-naphthyl         4833       4-C1       CO2Me       2-thienyl         4834       4-C1       CO2Me       3-thienyl         4835       4-C1       CO2Me       2-furanyl         4836       4-C1       CO2Me       3-furanyl         4837       4-C1       CO2Me       2-pyridyl         4838       4-C1       CO2Me       3-pyridyl         4839       4-C1       CO2Me       4-pyridyl         4840       4-C1       CO2Me       2-indolyl         4841       4-C1       CO2Me       3-indolyl         4842       4-C1       CO2Me       5-indolyl         4843       4-C1       CO2Me       6-indolyl				
4833       4-C1       CO2Me       2-thienyl         4834       4-C1       CO2Me       3-thienyl         4835       4-C1       CO2Me       2-furanyl         4836       4-C1       CO2Me       3-furanyl         4837       4-C1       CO2Me       2-pyridyl         4838       4-C1       CO2Me       3-pyridyl         4839       4-C1       CO2Me       4-pyridyl         4840       4-C1       CO2Me       2-indolyl         4841       4-C1       CO2Me       3-indolyl         4842       4-C1       CO2Me       5-indolyl         4843       4-C1       CO2Me       6-indolyl				<del></del>
4834       4-C1       CO2Me       3-thienyl         4835       4-C1       CO2Me       2-furanyl         4836       4-C1       CO2Me       3-furanyl         4837       4-C1       CO2Me       2-pyridyl         4838       4-C1       CO2Me       3-pyridyl         4839       4-C1       CO2Me       4-pyridyl         4840       4-C1       CO2Me       2-indolyl         4841       4-C1       CO2Me       3-indolyl         4842       4-C1       CO2Me       5-indolyl         4843       4-C1       CO2Me       6-indolyl				
4835       4-Cl       CO2Me       2-furanyl         4836       4-Cl       CO2Me       3-furanyl         4837       4-Cl       CO2Me       2-pyridyl         4838       4-Cl       CO2Me       3-pyridyl         4839       4-Cl       CO2Me       4-pyridyl         4840       4-Cl       CO2Me       2-indolyl         4841       4-Cl       CO2Me       3-indolyl         4842       4-Cl       CO2Me       5-indolyl         4843       4-Cl       CO2Me       6-indolyl				
4836       4-C1       CO2Me       3-furanyl         4837       4-C1       CO2Me       2-pyridyl         4838       4-C1       CO2Me       3-pyridyl         4839       4-C1       CO2Me       4-pyridyl         4840       4-C1       CO2Me       2-indolyl         4841       4-C1       CO2Me       3-indolyl         4842       4-C1       CO2Me       5-indolyl         4843       4-C1       CO2Me       6-indolyl				
4837       4-C1       CO2Me       2-pyridyl         4838       4-C1       CO2Me       3-pyridyl         4839       4-C1       CO2Me       4-pyridyl         4840       4-C1       CO2Me       2-indolyl         4841       4-C1       CO2Me       3-indolyl         4842       4-C1       CO2Me       5-indolyl         4843       4-C1       CO2Me       6-indolyl				<del> </del>
4838       4-C1       CO2Me       3-pyridyl         4839       4-C1       CO2Me       4-pyridyl         4840       4-C1       CO2Me       2-indolyl         4841       4-C1       CO2Me       3-indolyl         4842       4-C1       CO2Me       5-indolyl         4843       4-C1       CO2Me       6-indolyl				
4839       4-Cl       CO2Me       4-pyridyl         4840       4-Cl       CO2Me       2-indolyl         4841       4-Cl       CO2Me       3-indolyl         4842       4-Cl       CO2Me       5-indolyl         4843       4-Cl       CO2Me       6-indolyl				
4840       4-C1       CO2Me       2-indolyl         4841       4-C1       CO2Me       3-indolyl         4842       4-C1       CO2Me       5-indolyl         4843       4-C1       CO2Me       6-indolyl				
4841       4-Cl       CO2Me       3-indolyl         4842       4-Cl       CO2Me       5-indolyl         4843       4-Cl       CO2Me       6-indolyl				
4842       4-Cl       CO2Me       5-indolyl         4843       4-Cl       CO2Me       6-indolyl				
4843 4-Cl CO2Me 6-indolyl				
4844   4-Cl   CO2Me   3-indazolyl				
	4844	4-C1	CO2Me	3-indazolyl

4845	4-C1	CO2Me	5-indazolyl
4846	4-Cl	CO2Me	6-indazolyl
4847	4-C1	CO2Me	2-imidazolyl
4848	4-C1	CO2Me	3-isoxazoyl
4849	4-C1	CO2Me	3-pyrazolyl
4850	4-C1	CO2Me	2-thiadiazolyl
4851	4-C1	CO2Me	2-thiazolyl
4852	4-C1	CO2Me	5-Ac-4-Me-2-thiazolyl
4853	4-C1	CO2Me	5-tetrazolyl
4854	4-C1	CO2Me	2-benzimidazoly1
4855	4-C1	CO2Me	5-benzimidazolyl
4856	4-C1	CO2Me	2-benzothiazolyl
		CO2Me	5-benzothiazolyl
4857	4-C1		2-benzoxazolyl
4858	4-C1	CO2Me	
4859	4-Cl	CO2Me	5-benzoxazolyl
4860	4-C1	CO2Me	1-adamantyl
4861	4-Cl	CO2Me	2-adamantyl
4862	4-C1	CO2Me	i-Pr
4863	4-C1	CO2Me	t-Bu
4864	4-C1	CO2Me	c-Hex
4865	4-C1	CO2Me	CH2CH2OMe
4866	4-C1	CO2Me	CH2CONH2
4867	4-C1	CO2Me	CH2CO2Me
4868	4-C1	CO2Me	CH(CH2Ph)CO2Me
4869	4-C1	CO2Me	CH2CH2NMe2
4870	4-C1	CO2Me	benzyl
4871	4-C1	CO2Me	phenethyl
4872	4-C1	CO2Me	2-(morpholin-1-yl)-Et
4873	4-C1	Ac	Ph
4874	4-C1	Ac	3-CN-Ph
4875	4-C1	Ac	3-COMe-Ph
4876	4-C1	Ac	3-CO2Me-Ph
4877	4-C1	AC	3-CONH2-Ph
4878	4-C1	AC	3-CONHMe-Ph
4879	4-C1	Ac	3-F-Ph
4880	4-C1	AC	3-C1-Ph
	4-C1	AC	3-Br-Ph
4881	4-C1		3-SC2NH2-Ph
4882		Ac	3-SO2NH2-Ph
4883	4-Cl	AC	
4884	4-C1	AC	3-CF3-Ph
4885	4-C1	AC	3-OMe-Ph
4886	4-C1	Ac	3-SMe-Ph
4887	4-C1	Ac	3-SOMe-Ph
4888	4-C1	AC	3-S02Me-Ph
4889	4-C1	Ac	3-OH-Ph
4890	4-C1	Ac	3-CH2OH-Ph
4891	4-C1	Ac	3-CHOHMe-Ph
4892	4-Cl	Ac	3-COH(Me)2-Ph
4893	4-C1	Ac	3-Me-Ph
4894	4-C1	Ac	3-Et-Ph
4895	4-C1	Ac	3-iPr-Ph
4896	4-C1	Ac	3-tBu-Ph
4897	4-C1	Ac	3-CH2CO2Me-Ph
4898	4-C1	Ac	3-(1-piperidinyl)-Ph
4899	4-C1	Ac	3-(1-pyrrolidinyl)-Ph
1000	1 <del>1</del> 7 7 1		· · · · · · · · · · · · · · · · · · ·

1000	4 01	7.0	2 (2 imidagolyl) Ph
4900	4-C1	AC	3-(2-imidazolyl)-Ph
4901	4-Cl	Ac	3-(1-imidazolyl)-Ph
4902	4-C1	Ac	3-(2-thiazoly1)-Ph
4903	4-C1	Ac	3-(3-pyrazoly1)-Ph
4904	4-C1	Ac	3-(1-pyrazoly1)-Ph
4905	4-C1	Ac	3-(5-Me-1-tetrazoly1)-Ph
4906	4-C1	Ac	3-(1-Me-5-tetrazoly1)-Ph
4907	4-C1	Ac	3-(2-pyridy1)-Ph
4908	4-C1	Ac	3-(2-thienyl)-Ph
4909	4-C1	Ac	3-(2-furany1)-Ph
4910	4-C1	Ac	4-CN-Ph
4911	4-C1	Ac	4-COMe-Ph
4912	4-C1	Ac	4-CO2Me-Ph
4913	4-C1	Ac	4-CONH2-Ph
4914	4-C1	Ac	4-CONHMe-Ph
4915	4-C1	Ac	4-CONHPh-Ph
4916	4-C1	Ac	4-F-Ph
4917	4-C1	Ac	4-Cl-Ph
4918	4-C1	Ac	4-Br-Ph
4919	4-C1	Ac	4-SO2NH2-Ph
4920	4-C1	Ac	4-SO2NHMe-Ph
4921	4-C1	Ac	4-CF3-Ph
4922	4-C1	Ac	4-OMe-Ph
4923	4-C1	Ac	4-SMe-Ph
4924	4-C1	Ac	4-SOMe-Ph
4925	4-Cl	Ac	4-SO2Me-Ph
4926	4-C1	Ac	4-OH-Ph
4927	4-C1	Ac	4-CH2OH-Ph
4928	4-C1	Ac	4-CHOHMe-Ph
4929	4-Cl	Ac	4-COH(Me)2-Ph
4930	4-C1	Ac	4-Me-Ph
4931	4-C1	Ac	4-Et-Ph
4932	4-Cl	Ac	4-iPr-Ph
4933	4-Cl	Ac	4-tBu-Ph
4934	4-C1	Ac	4-CH2CO2Me-Ph
4935	4-C1	Ac	4-(1-piperidinyl)-Ph
4936	4-C1	Ac	4-(1-pyrrolidinyl)-Ph
4937	4-C1	Ac	4-(2-imidazolyl)-Ph
4938	4-Cl	Ac	4-(1-imidazolyl)-Ph
4939	4-Cl	Ac	4-(2-thiazoly1)-Ph
4940	4-Cl	Ac	4-(3-pyrazolyl)-Ph
4941	4-C1	Ac	4-(1-pyrazolyl)-Ph
4942	4-C1	Ac	4-(5-Me-1-tetrazoly1)-Ph
4943	4-C1	Ac	4-(1-Me-5-tetrazoly1)-Ph
4944	4-C1	Ac	4-(2-pyridyl)-Ph
4945	4-C1	Ac	4-(2-thienyl)-Ph
4946	4-C1	Ac	4-(2-furanyl)-Ph
4947	4-C1	Ac	2-CN-Ph
4948	4-C1	Ac	2-COMe-Ph
4949	4-C1	Ac	2-CO2Me-Ph
4950	4-C1	Ac	2-CONH2-Ph
4951	4-C1	Ac	2-CONHMe-Ph
4952	4-C1	Ac	2-F-Ph
4953	4-C1	Ac	2-C1-Ph
4954	4-C1	Ac	2-Br-Ph

4956	4955	4-C1	7.0	2-SO2NH2-Ph
4957			AC	
4958				
4959				
4960				
4961   4-C1   Ac   2-SO2Me-Ph     4962   4-C1   Ac   2-OH-Ph     4964   4-C1   Ac   2-CH2OH-Ph     4964   4-C1   Ac   2-CH0HMe-Ph     4965   4-C1   Ac   2-CH(Me) 2-Ph     4966   4-C1   Ac   2-Me-Ph     4967   4-C1   Ac   2-Et-Ph     4968   4-C1   Ac   2-Et-Ph     4969   4-C1   Ac   2-IPr-Ph     4969   4-C1   Ac   2-IPr-Ph     4970   4-C1   Ac   2-IPr-Ph     4971   4-C1   Ac   2-(1-piperidinyl)-Ph     4972   4-C1   Ac   2-(1-piperidinyl)-Ph     4973   4-C1   Ac   2-(1-piperidinyl)-Ph     4974   4-C1   Ac   2-(1-imidazolyl)-Ph     4975   4-C1   Ac   2-(1-imidazolyl)-Ph     4976   4-C1   Ac   2-(1-piperidinyl)-Ph     4977   4-C1   Ac   2-(1-piperidinyl)-Ph     4978   4-C1   Ac   2-(1-piperidinyl)-Ph     4979   4-C1   Ac   2-(1-piperidinyl)-Ph     4978   4-C1   Ac   2-(1-imidazolyl)-Ph     4979   4-C1   Ac   2-(1-imidazolyl)-Ph     4980   4-C1   Ac   2-(1-piperidinyl)-Ph     4981   4-C1   Ac   2-(1-piperidinyl)-Ph     4982   4-C1   Ac   2-(1-piperidinyl)-Ph     4983   4-C1   Ac   2-(1-piperidinyl)-Ph     4984   4-C1   Ac   2-(1-piperidinyl)-Ph     4985   4-C1   Ac   2-(1-piperidinyl)-Ph     4986   4-C1   Ac   2-(1-piperidinyl)-Ph     4987   4-C1   Ac   2-(1-piperidinyl)-Ph     4988   4-C1   Ac   2-(1-piperidinyl)-Ph     4989   4-C1   Ac   3-(1-piperidinyl)-Ph     4990   4-C1   Ac   3-(1-piperidinyl)-Ph     4991   4-C1   Ac   3-(1-piperidinyl)-Ph     4992   4-C1   Ac   3-(1-piperidinyl)-Ph     4993   4-C1   Ac   3-(1-piperidinyl)-Ph     4994   4-C1   Ac   3-(1-piperidinyl)-Ph     4995   4-C1   Ac   3-(1-piperidinyl)-Ph     4996   4-C1   Ac   3-(1-piperidinyl)-Ph     4997   4-C1   Ac   3-(1-piperidinyl)-Ph     4998   4-C1   Ac   3-(1-piperidinyl)-Ph     4999   4-C1   Ac   3-(1-piperidinyl)-Ph     4990   4-C1   Ac   3-(1-piperidinyl)-Ph     4990   4-C1   Ac				
4962   4-C1   Ac   2-OH-Ph     4963   4-C1   Ac   2-CH2OH-Ph     4964   4-C1   Ac   2-CH0HMe-Ph     4965   4-C1   Ac   2-CH0HMe-Ph     4966   4-C1   Ac   2-Me-Ph     4967   4-C1   Ac   2-Me-Ph     4968   4-C1   Ac   2-IPr-Ph     4969   4-C1   Ac   2-IBu-Ph     4970   4-C1   Ac   2-IBu-Ph     4971   4-C1   Ac   2-(1-piperidiny1)-Ph     4972   4-C1   Ac   2-(1-piperidiny1)-Ph     4973   4-C1   Ac   2-(1-imidazoly1)-Ph     4974   4-C1   Ac   2-(2-imidazoly1)-Ph     4975   4-C1   Ac   2-(2-thiazoly1)-Ph     4976   4-C1   Ac   2-(1-imidazoly1)-Ph     4977   4-C1   Ac   2-(1-imidazoly1)-Ph     4978   4-C1   Ac   2-(1-imidazoly1)-Ph     4979   4-C1   Ac   2-(1-imidazoly1)-Ph     4979   4-C1   Ac   2-(1-imidazoly1)-Ph     4980   4-C1   Ac   2-(1-imidazoly1)-Ph     4981   4-C1   Ac   2-(1-imidazoly1)-Ph     4982   4-C1   Ac   2-(1-imidazoly1)-Ph     4983   4-C1   Ac   2-(1-imidazoly1)-Ph     4984   4-C1   Ac   2-(1-imidazoly1)-Ph     4985   4-C1   Ac   2-(1-imidazoly1)-Ph     4986   4-C1   Ac   2-(1-imidazoly1)-Ph     4987   4-C1   Ac   2-(1-imidazoly1)-Ph     4988   4-C1   Ac   2-(1-imidazoly1)-Ph     4989   4-C1   Ac   2-(1-imidazoly1)-Ph     4980   4-C1   Ac   2-(1-imidazoly1)-Ph     4980   4-C1   Ac   2-(1-imidazoly1)-Ph     4981   4-C1   Ac   2-(1-imidazoly1)-Ph     4983   4-C1   Ac   2-(1-imidazoly1)-Ph     4984   4-C1   Ac   2-(1-imidazoly1)-Ph     4985   4-C1   Ac   2-(1-imidazoly1)-Ph     4986   4-C1   Ac   2-(1-imidazoly1)-Ph     4987   4-C1   Ac   2-(1-imidazoly1)-Ph     4988   4-C1   Ac   2-(1-imidazoly1)-Ph     4999   4-C1   Ac   2-(1-imidazoly1)-Ph     4990   4-C1   Ac   2-(1-imidazoly1)-Ph     4991   4-C1   Ac   2-(1-imidazoly1)-Ph     4993   4-C1   Ac   3,4-dif-Ph     4994   4-C1   Ac   3,5-dif-Ph     4995   4-C1   Ac   3,5-dif-Ph     4996   4-C1   Ac   3,5-dif-Ph     4997   4-C1   Ac   3,5-dif-Ph     4998   4-C1   Ac   3,5-dif-Ph     4999   4-C1   Ac   3,5-dif-Ph     4990   4-C1   Ac   3,5-dif-Ph     4990   4-C1   Ac   3,5-dif-Ph     4991   4-C1   Ac   3,5-dif-Ph     4993   4-C1   Ac   3,5-dif-Ph				
4963         4-C1         Ac         2-CH2OH-Ph           4964         4-C1         Ac         2-CH0HMe-Ph           4965         4-C1         Ac         2-COH(Me)2-Ph           4966         4-C1         Ac         2-EE-Ph           4967         4-C1         Ac         2-EE-Ph           4968         4-C1         Ac         2-iBu-Ph           4970         4-C1         Ac         2-CH2CO2Me-Ph           4971         4-C1         Ac         2-(1-piperidiny1)-Ph           4972         4-C1         Ac         2-(1-pyrrolidiny1)-Ph           4973         4-C1         Ac         2-(2-imidazoly1)-Ph           4974         4-C1         Ac         2-(1-imidazoly1)-Ph           4975         4-C1         Ac         2-(2-thiadzoly1)-Ph           4975         4-C1         Ac         2-(2-thiadzoly1)-Ph           4976         4-C1         Ac         2-(1-pyrazoly1)-Ph           4977         4-C1         Ac         2-(1-pyrazoly1)-Ph           4978         4-C1         Ac         2-(5-Me-1-tetrazoly1)-Ph           4979         4-C1         Ac         2-(1-Me-5-tetrazoly1)-Ph           4980         4-C1				
4964   4-C1   AC   2-CHOHMe-Ph     4965   4-C1   AC   2-CH(Me) 2-Ph     4966   4-C1   AC   2-Me-Ph     4967   4-C1   AC   2-Et-Ph     4968   4-C1   AC   2-Et-Ph     4969   4-C1   AC   2-IBu-Ph     4969   4-C1   AC   2-HBu-Ph     4970   4-C1   AC   2-CH2COZMe-Ph     4971   4-C1   AC   2-(1-piperidinyl)-Ph     4972   4-C1   AC   2-(1-piperidinyl)-Ph     4973   4-C1   AC   2-(1-midazolyl)-Ph     4974   4-C1   AC   2-(1-midazolyl)-Ph     4975   4-C1   AC   2-(1-midazolyl)-Ph     4976   4-C1   AC   2-(1-pyrazolyl)-Ph     4977   4-C1   AC   2-(1-pyrazolyl)-Ph     4978   4-C1   AC   2-(5-Me-1-tetrazolyl)-Ph     4979   4-C1   AC   2-(5-Me-1-tetrazolyl)-Ph     4980   4-C1   AC   2-(2-thienyl)-Ph     4981   4-C1   AC   2-(2-thienyl)-Ph     4982   4-C1   AC   2-(2-furanyl)-Ph     4983   4-C1   AC   2-(2-furanyl)-Ph     4984   4-C1   AC   2-(3-pyridyl)-Ph     4985   4-C1   AC   2-(3-furanyl)-Ph     4986   4-C1   AC   2-(3-furanyl)-Ph     4987   4-C1   AC   2-(3-furanyl)-Ph     4988   4-C1   AC   2-(3-furanyl)-Ph     4989   4-C1   AC   3-(3-furanyl)-Ph     4990   4-C1   AC   3-(3-furanyl)-Ph     4991   4-C1   AC   3-(3-furanyl)-Ph     4993   4-C1   AC   3-(3-furanyl)-Ph     4994   4-C1   AC   3-(3-furanyl)-Ph     4995   4-C1   AC   3-(3-furanyl)-Ph     4996   4-C1   AC   3-(3-furanyl)-Ph     4997   4-C1   AC   3-(3-furanyl)-Ph     4998   4-C1   AC   3-(3-furanyl)-Ph     4999   4-C1   AC   3-(3-furanyl)-Ph     4990   4-C1   AC   3-(3-furanyl)-Ph     4991   4-C1   AC   3-(3-furanyl)-Ph     4993   4-C1   AC   3-(3-furanyl)-Ph     4994   4-C1   AC   3-(3-furanyl)-Ph     4995   4-C1   AC   3-(3-furanyl)-Ph     4996   4-C1   AC   3-(3-furanyl)-Ph     4997   4-C1   AC   3-(3-				
4965         4-Cl         Ac         2-COH(Me) 2-Ph           4966         4-Cl         Ac         2-Me-Ph           4967         4-Cl         Ac         2-Et-Ph           4968         4-Cl         Ac         2-iPr-Ph           4969         4-Cl         Ac         2-tBu-Ph           4970         4-Cl         Ac         2-(H-piperidinyl) - Ph           4971         4-Cl         Ac         2-(1-piperidinyl) - Ph           4972         4-Cl         Ac         2-(1-piperidinyl) - Ph           4973         4-Cl         Ac         2-(1-piperidinyl) - Ph           4973         4-Cl         Ac         2-(1-piperidinyl) - Ph           4974         4-Cl         Ac         2-(1-piperidinyl) - Ph           4973         4-Cl         Ac         2-(1-piperidinyl) - Ph           4974         4-Cl         Ac         2-(1-imidazolyl) - Ph           4974         4-Cl         Ac         2-(1-imidazolyl) - Ph				
4966         4-Cl         Ac         2-Me-Ph           4967         4-Cl         Ac         2-Et-Ph           4968         4-Cl         Ac         2-iPr-Ph           4970         4-Cl         Ac         2-CH2CO2Me-Ph           4971         4-Cl         Ac         2-(1-piperidinyl)-Ph           4971         4-Cl         Ac         2-(1-piperidinyl)-Ph           4973         4-Cl         Ac         2-(1-piperidinyl)-Ph           4974         4-Cl         Ac         2-(1-piperidinyl)-Ph           4973         4-Cl         Ac         2-(1-piperidinyl)-Ph           4974         4-Cl         Ac         2-(1-piperidinyl)-Ph           4975         4-Cl         Ac         2-(1-piperidinyl)-Ph           4975         4-Cl         Ac         2-(1-piperidinyl)-Ph           4975         4-Cl         Ac         2-(1-piperidinyl)-Ph           4976         4-Cl         Ac         2-(1-piperidinyl)-Ph           4976         4-Cl         Ac         2-(2-thiasolyl)-Ph           4977         4-Cl         Ac         2-(3-pyracolyl)-Ph           4977         4-Cl         Ac         2-(5-Me-1-tetrazolyl)-Ph           4980				
4967         4-C1         Ac         2-Et-Ph           4968         4-C1         Ac         2-ipr-Ph           4969         4-C1         Ac         2-tBu-Ph           4970         4-C1         Ac         2-CH2CO2Me-Ph           4971         4-C1         Ac         2-(1-piperidinyl)-Ph           4972         4-C1         Ac         2-(1-piperidinyl)-Ph           4973         4-C1         Ac         2-(1-imidazolyl)-Ph           4974         4-C1         Ac         2-(2-thiazolyl)-Ph           4975         4-C1         Ac         2-(3-pyrazolyl)-Ph           4976         4-C1         Ac         2-(1-pyrazolyl)-Ph           4977         4-C1         Ac         2-(1-pyrazolyl)-Ph           4978         4-C1         Ac         2-(1-pyrazolyl)-Ph           4979         4-C1         Ac         2-(1-pyrazolyl)-Ph           4980         4-C1         Ac         2-(1-me-5-tetrazolyl)-Ph           4981         4-C1         Ac         2-(2-pyridyl)-Ph           4981         4-C1         Ac         2-(2-furanyl)-Ph           4983         4-C1         Ac         2-(2-furanyl)-Ph           4984         4-C1				
4968         4-Cl         Ac         2-iPr-Ph           4969         4-Cl         Ac         2-tBu-Ph           4970         4-Cl         Ac         2-CH2CO2Me-Ph           4971         4-Cl         Ac         2-(1-piperidinyl)-Ph           4972         4-Cl         Ac         2-(1-piperidinyl)-Ph           4973         4-Cl         Ac         2-(2-imidazolyl)-Ph           4974         4-Cl         Ac         2-(1-imidazolyl)-Ph           4975         4-Cl         Ac         2-(2-thiazolyl)-Ph           4976         4-Cl         Ac         2-(3-pyrazolyl)-Ph           4977         4-Cl         Ac         2-(1-pyrazolyl)-Ph           4978         4-Cl         Ac         2-(5-Me-1-tetrazolyl)-Ph           4979         4-Cl         Ac         2-(5-Me-1-tetrazolyl)-Ph           4979         4-Cl         Ac         2-(1-me-5-tetrazolyl)-Ph           4981         4-Cl         Ac         2-(2-pyridyl)-Ph           4981         4-Cl         Ac         2-(2-pyridyl)-Ph           4983         4-Cl         Ac         2-(2-pyridyl)-Ph           4984         4-Cl         Ac         2-(5-dir-ph           4985				
4969         4-C1         Ac         2-tBu-Ph           4970         4-C1         Ac         2-CH2CO2Me-Ph           4971         4-C1         Ac         2-(1-piperidinyl)-Ph           4972         4-C1         Ac         2-(1-piperidinyl)-Ph           4973         4-C1         Ac         2-(2-imidazolyl)-Ph           4974         4-C1         Ac         2-(1-imidazolyl)-Ph           4975         4-C1         Ac         2-(2-thiazolyl)-Ph           4976         4-C1         Ac         2-(3-pyrazolyl)-Ph           4976         4-C1         Ac         2-(1-pyrazolyl)-Ph           4978         4-C1         Ac         2-(5-Me-1-tetrazolyl)-Ph           4979         4-C1         Ac         2-(5-Me-1-tetrazolyl)-Ph           4980         4-C1         Ac         2-(2-pyridyl)-Ph           4980         4-C1         Ac         2-(2-pyridyl)-Ph           4981         4-C1         Ac         2-(2-pyridyl)-Ph           4983         4-C1         Ac         2-(2-furanyl)-Ph           4983         4-C1         Ac         2-(5-direnyl)-Ph           4985         4-C1         Ac         2-(5-direnyl)-Ph           4987				
4970         4-Cl         Ac         2-CH2CO2Me-Ph           4971         4-Cl         Ac         2-(1-piperidinyl)-Ph           4972         4-Cl         Ac         2-(1-pyrrolidinyl)-Ph           4973         4-Cl         Ac         2-(2-imidazolyl)-Ph           4974         4-Cl         Ac         2-(1-imidazolyl)-Ph           4975         4-Cl         Ac         2-(2-thiazolyl)-Ph           4976         4-Cl         Ac         2-(3-pyrazolyl)-Ph           4976         4-Cl         Ac         2-(1-pyrazolyl)-Ph           4978         4-Cl         Ac         2-(5-Me-1-tetrazolyl)-Ph           4978         4-Cl         Ac         2-(5-Me-1-tetrazolyl)-Ph           4979         4-Cl         Ac         2-(1-Me-5-tetrazolyl)-Ph           4980         4-Cl         Ac         2-(2-pyridyl)-Ph           4981         4-Cl         Ac         2-(2-pyridyl)-Ph           4981         4-Cl         Ac         2-(2-furanyl)-Ph           4982         4-Cl         Ac         2-(2-furanyl)-Ph           4983         4-Cl         Ac         2,4-diF-Ph           4985         4-Cl         Ac         2,5-diF-Ph           4986				
4971         4-Cl         Ac         2-(1-piperidinyl)-Ph           4972         4-Cl         Ac         2-(1-pyrrolidinyl)-Ph           4973         4-Cl         Ac         2-(2-imidazolyl)-Ph           4974         4-Cl         Ac         2-(1-imidazolyl)-Ph           4975         4-Cl         Ac         2-(3-pyrazolyl)-Ph           4976         4-Cl         Ac         2-(3-pyrazolyl)-Ph           4977         4-Cl         Ac         2-(1-pyrazolyl)-Ph           4978         4-Cl         Ac         2-(5-Me-1-tetrazolyl)-Ph           4979         4-Cl         Ac         2-(1-Me-5-tetrazolyl)-Ph           4980         4-Cl         Ac         2-(2-pyridyl)-Ph           4981         4-Cl         Ac         2-(2-pyridyl)-Ph           4981         4-Cl         Ac         2-(2-furanyl)-Ph           4982         4-Cl         Ac         2-(2-furanyl)-Ph           4983         4-Cl         Ac         2,4-diF-Ph           4984         4-Cl         Ac         2,5-diF-Ph           4985         4-Cl         Ac         3,4-diF-Ph           4986         4-Cl         Ac         3,5-diF-Ph           4989 <td< td=""><td></td><td></td><td></td><td></td></td<>				
4972         4-Cl         Ac         2-(1-pyrrolidinyl)-Ph           4973         4-Cl         Ac         2-(2-imidazolyl)-Ph           4974         4-Cl         Ac         2-(1-imidazolyl)-Ph           4975         4-Cl         Ac         2-(2-thiazolyl)-Ph           4976         4-Cl         Ac         2-(3-pyrazolyl)-Ph           4977         4-Cl         Ac         2-(1-pyrazolyl)-Ph           4978         4-Cl         Ac         2-(1-me-5-tetrazolyl)-Ph           4979         4-Cl         Ac         2-(2-pyridyl)-Ph           4980         4-Cl         Ac         2-(2-pyridyl)-Ph           4981         4-Cl         Ac         2-(2-pyridyl)-Ph           4981         4-Cl         Ac         2-(2-pyridyl)-Ph           4981         4-Cl         Ac         2-(2-pyridyl)-Ph           4982         4-Cl         Ac         2-(2-furanyl)-Ph           4983         4-Cl         Ac         2-(2-furanyl)-Ph           4984         4-Cl         Ac         2,5-diF-Ph           4985         4-Cl         Ac         2,5-diF-Ph           4986         4-Cl         Ac         3,5-diF-Ph           4989         4-Cl<				
4973         4-Cl         Ac         2-(2-imidazolyl)-Ph           4974         4-Cl         Ac         2-(1-imidazolyl)-Ph           4975         4-Cl         Ac         2-(2-thiazolyl)-Ph           4976         4-Cl         Ac         2-(3-pyrazolyl)-Ph           4977         4-Cl         Ac         2-(1-pyrazolyl)-Ph           4978         4-Cl         Ac         2-(5-Me-1-tetrazolyl)-Ph           4979         4-Cl         Ac         2-(2-pyridyl)-Ph           4980         4-Cl         Ac         2-(2-pyridyl)-Ph           4981         4-Cl         Ac         2-(2-thienyl)-Ph           4981         4-Cl         Ac         2-(2-furanyl)-Ph           4983         4-Cl         Ac         2-(2-furanyl)-Ph           4984         4-Cl         Ac         2,4-diF-Ph           4985         4-Cl         Ac         2,5-diF-Ph           4986         4-Cl         Ac         2,6-diF-Ph           4988         4-Cl         Ac         2,5-diCl-Ph           4989         4-Cl         Ac         2,5-diCl-Ph           4991         4-Cl         Ac         3,4-diCl-Ph           4991         4-Cl         Ac<				
4974         4-Cl         Ac         2-(1-imidazoly1)-Ph           4975         4-Cl         Ac         2-(2-thiazoly1)-Ph           4976         4-Cl         Ac         2-(3-pyrazoly1)-Ph           4977         4-Cl         Ac         2-(1-pyrazoly1)-Ph           4978         4-Cl         Ac         2-(5-Me-1-tetrazoly1)-Ph           4979         4-Cl         Ac         2-(1-me-5-tetrazoly1)-Ph           4980         4-Cl         Ac         2-(2-pyridy1)-Ph           4981         4-Cl         Ac         2-(2-thieny1)-Ph           4981         4-Cl         Ac         2-(2-furany1)-Ph           4982         4-Cl         Ac         2-(3-diF-Ph           4983         4-Cl         Ac         2,5-diF-Ph           4984         4-Cl         Ac         2,5-diF-Ph           4985         4-Cl         Ac         3,4-diF-Ph           4986         4-Cl         Ac         2,4-diCl-Ph           4988         4-Cl         Ac         2,5-diCl-Ph           4990         4-Cl         Ac         2,5-diCl-Ph           4991         4-Cl         Ac         3,5-diCl-Ph           4992         4-Cl         Ac				
4975         4-Cl         Ac         2-(2-thiazolyl)-Ph           4976         4-Cl         Ac         2-(3-pyrazolyl)-Ph           4977         4-Cl         Ac         2-(1-pyrazolyl)-Ph           4978         4-Cl         Ac         2-(5-Me-1-tetrazolyl)-Ph           4979         4-Cl         Ac         2-(1-Me-5-tetrazolyl)-Ph           4980         4-Cl         Ac         2-(2-pyridyl)-Ph           4981         4-Cl         Ac         2-(2-thienyl)-Ph           4982         4-Cl         Ac         2-(2-furanyl)-Ph           4983         4-Cl         Ac         2,4-diF-Ph           4984         4-Cl         Ac         2,5-diF-Ph           4985         4-Cl         Ac         3,4-diF-Ph           4986         4-Cl         Ac         3,5-diF-Ph           4988         4-Cl         Ac         2,5-diCl-Ph           4989         4-Cl         Ac         2,6-diCl-Ph           4990         4-Cl         Ac         2,6-diCl-Ph           4991         4-Cl         Ac         3,4-diCl-Ph           4993         4-Cl         Ac         3,5-diCl-Ph           4994         4-Cl         Ac         <				
4976         4-Cl         Ac         2-(3-pyrazolyl)-Ph           4977         4-Cl         Ac         2-(1-pyrazolyl)-Ph           4978         4-Cl         Ac         2-(5-Me-1-tetrazolyl)-Ph           4979         4-Cl         Ac         2-(1-Me-5-tetrazolyl)-Ph           4980         4-Cl         Ac         2-(2-pyridyl)-Ph           4981         4-Cl         Ac         2-(2-thienyl)-Ph           4982         4-Cl         Ac         2-(2-furanyl)-Ph           4983         4-Cl         Ac         2-(4-diF-Ph           4984         4-Cl         Ac         2,5-diF-Ph           4985         4-Cl         Ac         2,6-diF-Ph           4986         4-Cl         Ac         3,5-diF-Ph           4988         4-Cl         Ac         2,5-diCl-Ph           4989         4-Cl         Ac         2,6-diCl-Ph           4990         4-Cl         Ac         2,6-diCl-Ph           4991         4-Cl         Ac         3,4-diCl-Ph           4992         4-Cl         Ac         3,4-diCl-Ph           4993         4-Cl         Ac         3,5-diCl-Ph           4994         4-Cl         Ac         3,5				
4977         4-Cl         Ac         2-(1-pyrazolyl)-Ph           4978         4-Cl         Ac         2-(5-Me-1-tetrazolyl)-Ph           4979         4-Cl         Ac         2-(1-Me-5-tetrazolyl)-Ph           4980         4-Cl         Ac         2-(2-pyridyl)-Ph           4981         4-Cl         Ac         2-(2-furanyl)-Ph           4982         4-Cl         Ac         2-(2-furanyl)-Ph           4983         4-Cl         Ac         2,4-diF-Ph           4984         4-Cl         Ac         2,5-diF-Ph           4985         4-Cl         Ac         3,4-diF-Ph           4986         4-Cl         Ac         3,5-diF-Ph           4988         4-Cl         Ac         3,5-diCl-Ph           4989         4-Cl         Ac         2,6-diCl-Ph           4990         4-Cl         Ac         3,4-diCl-Ph           4991         4-Cl         Ac         3,4-diCl-Ph           4992         4-Cl         Ac         3,4-diCl-Ph           4993         4-Cl         Ac         3,5-diCl-Ph           4994         4-Cl         Ac         3,5-diCl-Ph           4995         4-Cl         Ac         5-Cl-2-MeO-				
4978         4-C1         Ac         2-(5-Me-1-tetrazoly1)-Ph           4979         4-C1         Ac         2-(1-Me-5-tetrazoly1)-Ph           4980         4-C1         Ac         2-(2-pyridy1)-Ph           4981         4-C1         Ac         2-(2-thieny1)-Ph           4982         4-C1         Ac         2-(2-furany1)-Ph           4983         4-C1         Ac         2,4-diF-Ph           4984         4-C1         Ac         2,5-diF-Ph           4985         4-C1         Ac         3,4-diF-Ph           4986         4-C1         Ac         3,5-diF-Ph           4988         4-C1         Ac         2,5-diC1-Ph           4989         4-C1         Ac         2,5-diC1-Ph           4990         4-C1         Ac         3,4-diC1-Ph           4991         4-C1         Ac         3,5-diC1-Ph           4992         4-C1         Ac         3,5-diC1-Ph           4993         4-C1         Ac         3,5-diC1-Ph           4994         4-C1         Ac         3,5-diC1-Ph           4995         4-C1         Ac         5-C1-2-MeO-Ph           4996         4-C1         Ac         5-C1-2-MeO-Ph <td></td> <td></td> <td></td> <td></td>				
4979         4-Cl         Ac         2-(1-Me-5-tetrazoly1)-Ph           4980         4-Cl         Ac         2-(2-pyridy1)-Ph           4981         4-Cl         Ac         2-(2-thieny1)-Ph           4982         4-Cl         Ac         2-(2-furany1)-Ph           4983         4-Cl         Ac         2,4-diF-Ph           4984         4-Cl         Ac         2,5-diF-Ph           4985         4-Cl         Ac         3,4-diF-Ph           4986         4-Cl         Ac         3,5-diF-Ph           4987         4-Cl         Ac         2,4-diCl-Ph           4988         4-Cl         Ac         2,5-diCl-Ph           4989         4-Cl         Ac         2,6-diCl-Ph           4990         4-Cl         Ac         2,6-diCl-Ph           4991         4-Cl         Ac         3,4-diCl-Ph           4992         4-Cl         Ac         3,5-diCl-Ph           4993         4-Cl         Ac         3,5-diCF3-Ph           4994         4-Cl         Ac         3,5-diCF3-Ph           4995         4-Cl         Ac         5-Cl-2-MeO-Ph           4996         4-Cl         Ac         2-F-5-Me-Ph				
4980       4-C1       Ac       2-(2-pyridy1)-Ph         4981       4-C1       Ac       2-(2-thieny1)-Ph         4982       4-C1       Ac       2-(2-furany1)-Ph         4983       4-C1       Ac       2,4-diF-Ph         4984       4-C1       Ac       2,5-diF-Ph         4985       4-C1       Ac       3,4-diF-Ph         4986       4-C1       Ac       3,5-diF-Ph         4988       4-C1       Ac       2,4-diCl-Ph         4989       4-C1       Ac       2,5-diCl-Ph         4990       4-C1       Ac       2,6-diCl-Ph         4991       4-C1       Ac       3,4-diCl-Ph         4992       4-C1       Ac       3,5-diCl-Ph         4993       4-C1       Ac       3,5-diCl-Ph         4993       4-C1       Ac       3,5-diCl-Ph         4994       4-C1       Ac       3,5-diCl-Ph         4995       4-C1       Ac       3,5-diCl-Ph         4996       4-C1       Ac       5-Cl-2-MeO-Ph         4998       4-C1       Ac       5-Cl-2-MeO-Ph         4998       4-C1       Ac       3-F-5-morpholino-Ph         4999				
4981       4-Cl       Ac       2-(2-thienyl)-Ph         4982       4-Cl       Ac       2-(2-furanyl)-Ph         4983       4-Cl       Ac       2,4-diF-Ph         4984       4-Cl       Ac       2,5-diF-Ph         4985       4-Cl       Ac       3,4-diF-Ph         4986       4-Cl       Ac       3,5-diF-Ph         4987       4-Cl       Ac       2,4-diCl-Ph         4988       4-Cl       Ac       2,5-diCl-Ph         4989       4-Cl       Ac       2,6-diCl-Ph         4990       4-Cl       Ac       3,4-diCl-Ph         4991       4-Cl       Ac       3,5-diCl-Ph         4992       4-Cl       Ac       3,4-diCF3-Ph         4993       4-Cl       Ac       3,5-diCl-Ph         4993       4-Cl       Ac       3,5-diCF3-Ph         4994       4-Cl       Ac       3,5-diCF3-Ph         4995       4-Cl       Ac       5-Cl-2-MeO-Ph         4996       4-Cl       Ac       5-Cl-2-MeO-Ph         4998       4-Cl       Ac       3-F-5-morpholino-Ph         4999       4-Cl       Ac       3,4-OCH2O-Ph         5000       <				
4982       4-Cl       Ac       2-(2-furany1)-Ph         4983       4-Cl       Ac       2,4-dif-Ph         4984       4-Cl       Ac       2,5-dif-Ph         4985       4-Cl       Ac       2,6-dif-Ph         4986       4-Cl       Ac       3,4-dif-Ph         4987       4-Cl       Ac       2,4-diCl-Ph         4988       4-Cl       Ac       2,5-diCl-Ph         4989       4-Cl       Ac       2,6-diCl-Ph         4990       4-Cl       Ac       3,4-diCl-Ph         4991       4-Cl       Ac       3,5-diCl-Ph         4992       4-Cl       Ac       3,4-diCf3-Ph         4993       4-Cl       Ac       3,5-diCl-Ph         4994       4-Cl       Ac       3,5-diCf3-Ph         4995       4-Cl       Ac       5-Cl-2-MeO-Ph         4996       4-Cl       Ac       5-Cl-2-MeO-Ph         4998       4-Cl       Ac       2-F-5-Me-Ph         4999       4-Cl       Ac       3,4-OCH2O-Ph         5000       4-Cl       Ac       3,4-OCH2CH2O-Ph				
4983       4-C1       Ac       2,4-dif-Ph         4984       4-C1       Ac       2,5-dif-Ph         4985       4-C1       Ac       2,6-dif-Ph         4986       4-C1       Ac       3,4-dif-Ph         4987       4-C1       Ac       2,4-diCl-Ph         4988       4-C1       Ac       2,5-diCl-Ph         4990       4-C1       Ac       2,6-diCl-Ph         4991       4-C1       Ac       3,4-diCl-Ph         4992       4-C1       Ac       3,5-diCl-Ph         4993       4-C1       Ac       3,5-diCf3-Ph         4994       4-C1       Ac       3,5-diCf3-Ph         4995       4-C1       Ac       5-Cl-2-MeO-Ph         4996       4-C1       Ac       5-Cl-2-MeO-Ph         4998       4-C1       Ac       2-F-5-Me-Ph         4998       4-C1       Ac       3-F-5-morpholino-Ph         4999       4-C1       Ac       3,4-OCH2O-Ph         5000       4-C1       Ac       3,4-OCH2O-Ph				
4984       4-Cl       Ac       2,5-diF-Ph         4985       4-Cl       Ac       2,6-diF-Ph         4986       4-Cl       Ac       3,4-diF-Ph         4987       4-Cl       Ac       2,4-diCl-Ph         4988       4-Cl       Ac       2,5-diCl-Ph         4989       4-Cl       Ac       2,6-diCl-Ph         4990       4-Cl       Ac       3,4-diCl-Ph         4991       4-Cl       Ac       3,5-diCl-Ph         4992       4-Cl       Ac       3,4-diCF3-Ph         4993       4-Cl       Ac       3,5-diCF3-Ph         4994       4-Cl       Ac       3,5-diCF3-Ph         4995       4-Cl       Ac       5-Cl-2-MeO-Ph         4996       4-Cl       Ac       5-Cl-2-MeO-Ph         4997       4-Cl       Ac       2-F-5-Me-Ph         4998       4-Cl       Ac       3-F-5-morpholino-Ph         4999       4-Cl       Ac       3,4-OCH2O-Ph         5000       4-Cl       Ac       3,4-OCH2O-Ph				
4985       4-Cl       Ac       2,6-diF-Ph         4986       4-Cl       Ac       3,4-diF-Ph         4987       4-Cl       Ac       3,5-diF-Ph         4988       4-Cl       Ac       2,4-diCl-Ph         4989       4-Cl       Ac       2,5-diCl-Ph         4990       4-Cl       Ac       3,4-diCl-Ph         4991       4-Cl       Ac       3,5-diCl-Ph         4992       4-Cl       Ac       3,5-diCl-Ph         4993       4-Cl       Ac       3,5-diCF3-Ph         4994       4-Cl       Ac       3,5-diCF3-Ph         4995       4-Cl       Ac       5-Cl-2-MeO-Ph         4996       4-Cl       Ac       5-Cl-2-MeO-Ph         4998       4-Cl       Ac       3-F-5-Me-Ph         4999       4-Cl       Ac       3-F-5-morpholino-Ph         4999       4-Cl       Ac       3,4-OCH2O-Ph         5000       4-Cl       Ac       3,4-OCH2CH2O-Ph				
4986       4-C1       Ac       3,4-diF-Ph         4987       4-C1       Ac       3,5-diF-Ph         4988       4-C1       Ac       2,4-diCl-Ph         4989       4-C1       Ac       2,5-diCl-Ph         4990       4-C1       Ac       2,6-diCl-Ph         4991       4-C1       Ac       3,4-diCl-Ph         4992       4-C1       Ac       3,5-diCl-Ph         4993       4-C1       Ac       3,5-diCF3-Ph         4994       4-C1       Ac       3,5-diCF3-Ph         4995       4-C1       Ac       5-Cl-2-MeO-Ph         4996       4-C1       Ac       5-Cl-2-MeO-Ph         4997       4-C1       Ac       2-F-5-Me-Ph         4998       4-C1       Ac       3-F-5-morpholino-Ph         4999       4-C1       Ac       3,4-OCH2O-Ph         5000       4-C1       Ac       3,4-OCH2CH2O-Ph				
4987       4-Cl       Ac       3,5-diF-Ph         4988       4-Cl       Ac       2,4-diCl-Ph         4989       4-Cl       Ac       2,5-diCl-Ph         4990       4-Cl       Ac       2,6-diCl-Ph         4991       4-Cl       Ac       3,4-diCl-Ph         4992       4-Cl       Ac       3,5-diCl-Ph         4993       4-Cl       Ac       3,5-diCF3-Ph         4994       4-Cl       Ac       3,5-diCF3-Ph         4995       4-Cl       Ac       5-Cl-2-MeO-Ph         4996       4-Cl       Ac       5-Cl-2-MeO-Ph         4997       4-Cl       Ac       2-F-5-Me-Ph         4998       4-Cl       Ac       3-F-5-morpholino-Ph         4999       4-Cl       Ac       3,4-OCH2O-Ph         5000       4-Cl       Ac       3,4-OCH2CH2O-Ph				
4988       4-Cl       Ac       2,4-dicl-Ph         4989       4-Cl       Ac       2,5-dicl-Ph         4990       4-Cl       Ac       2,6-dicl-Ph         4991       4-Cl       Ac       3,4-dicl-Ph         4992       4-Cl       Ac       3,5-dicl-Ph         4993       4-Cl       Ac       3,4-dicF3-Ph         4994       4-Cl       Ac       3,5-dicF3-Ph         4995       4-Cl       Ac       5-Cl-2-MeO-Ph         4996       4-Cl       Ac       5-Cl-2-Me-Ph         4998       4-Cl       Ac       3-F-5-Me-Ph         4999       4-Cl       Ac       3,4-OCH2O-Ph         5000       4-Cl       Ac       3,4-OCH2CH2O-Ph				
4989       4-C1       Ac       2,5-dic1-Ph         4990       4-C1       Ac       2,6-dic1-Ph         4991       4-C1       Ac       3,4-dic1-Ph         4992       4-C1       Ac       3,5-dic1-Ph         4993       4-C1       Ac       3,4-dicF3-Ph         4994       4-C1       Ac       3,5-dicF3-Ph         4995       4-C1       Ac       5-C1-2-MeO-Ph         4996       4-C1       Ac       5-C1-2-Me-Ph         4998       4-C1       Ac       2-F-5-Me-Ph         4999       4-C1       Ac       3-F-5-morpholino-Ph         5000       4-C1       Ac       3,4-OCH2O-Ph         5000       4-C1       Ac       3,4-OCH2CH2O-Ph				
4990       4-C1       Ac       2,6-diCl-Ph         4991       4-C1       Ac       3,4-diCl-Ph         4992       4-C1       Ac       3,5-diCl-Ph         4993       4-C1       Ac       3,4-diCF3-Ph         4994       4-C1       Ac       3,5-diCF3-Ph         4995       4-C1       Ac       5-Cl-2-MeO-Ph         4996       4-C1       Ac       5-Cl-2-Me-Ph         4997       4-C1       Ac       2-F-5-Me-Ph         4998       4-C1       Ac       3-F-5-morpholino-Ph         4999       4-C1       Ac       3,4-OCH2O-Ph         5000       4-C1       Ac       3,4-OCH2CH2O-Ph				
4991       4-Cl       Ac       3,4-diCl-Ph         4992       4-Cl       Ac       3,5-diCl-Ph         4993       4-Cl       Ac       3,4-diCF3-Ph         4994       4-Cl       Ac       3,5-diCF3-Ph         4995       4-Cl       Ac       5-Cl-2-MeO-Ph         4996       4-Cl       Ac       5-Cl-2-Me-Ph         4997       4-Cl       Ac       2-F-5-Me-Ph         4998       4-Cl       Ac       3-F-5-morpholino-Ph         4999       4-Cl       Ac       3,4-OCH2O-Ph         5000       4-Cl       Ac       3,4-OCH2CH2O-Ph				
4992       4-C1       Ac       3,5-diC1-Ph         4993       4-C1       Ac       3,4-diCF3-Ph         4994       4-C1       Ac       3,5-diCF3-Ph         4995       4-C1       Ac       5-C1-2-MeO-Ph         4996       4-C1       Ac       5-C1-2-Me-Ph         4997       4-C1       Ac       2-F-5-Me-Ph         4998       4-C1       Ac       3-F-5-morpholino-Ph         4999       4-C1       Ac       3,4-OCH2O-Ph         5000       4-C1       Ac       3,4-OCH2CH2O-Ph				
4993     4-C1     Ac     3,4-diCF3-Ph       4994     4-C1     Ac     3,5-diCF3-Ph       4995     4-C1     Ac     5-C1-2-MeO-Ph       4996     4-C1     Ac     5-C1-2-Me-Ph       4997     4-C1     Ac     2-F-5-Me-Ph       4998     4-C1     Ac     3-F-5-morpholino-Ph       4999     4-C1     Ac     3,4-OCH2O-Ph       5000     4-C1     Ac     3,4-OCH2CH2O-Ph				
4994     4-C1     Ac     3,5-diCF3-Ph       4995     4-C1     Ac     5-C1-2-MeO-Ph       4996     4-C1     Ac     5-C1-2-Me-Ph       4997     4-C1     Ac     2-F-5-Me-Ph       4998     4-C1     Ac     3-F-5-morpholino-Ph       4999     4-C1     Ac     3,4-OCH2O-Ph       5000     4-C1     Ac     3,4-OCH2CH2O-Ph				
4995     4-C1     Ac     5-C1-2-MeO-Ph       4996     4-C1     Ac     5-C1-2-Me-Ph       4997     4-C1     Ac     2-F-5-Me-Ph       4998     4-C1     Ac     3-F-5-morpholino-Ph       4999     4-C1     Ac     3,4-OCH2O-Ph       5000     4-C1     Ac     3,4-OCH2CH2O-Ph				
4996     4-Cl     Ac     5-Cl-2-Me-Ph       4997     4-Cl     Ac     2-F-5-Me-Ph       4998     4-Cl     Ac     3-F-5-morpholino-Ph       4999     4-Cl     Ac     3,4-OCH2O-Ph       5000     4-Cl     Ac     3,4-OCH2CH2O-Ph				
4997     4-Cl     Ac     2-F-5-Me-Ph       4998     4-Cl     Ac     3-F-5-morpholino-Ph       4999     4-Cl     Ac     3,4-OCH2O-Ph       5000     4-Cl     Ac     3,4-OCH2CH2O-Ph				
4998     4-Cl     Ac     3-F-5-morpholino-Ph       4999     4-Cl     Ac     3,4-OCH2O-Ph       5000     4-Cl     Ac     3,4-OCH2CH2O-Ph				
4999     4-C1     Ac     3,4-OCH2O-Ph       5000     4-C1     Ac     3,4-OCH2CH2O-Ph				
5000 4-C1 Ac 3,4-OCH2CH2O-Ph				
$I = I \cap I \cap I \cap I \cap I \cap I \cap I \cap I \cap I \cap $				
	5001	4-C1	Ac	2-MeO-5-CONH2-Ph
5002 4-C1 Ac 2-MeO-4-(1-Me-5-tetrazoly1)-Ph				
5003 4-C1 Ac 2-MeO-5-(1-Me-5-tetrazoly1)-Ph			Ac	
5004 4-C1 Ac 3-CONH2-5-(1-Me-5-tetrazoly1)-Ph				
5005 4-C1 Ac 1-naphthyl			Ac	
5006 4-Cl Ac 2-naphthyl			Ac	
5007 4-Cl Ac 2-thienyl			Ac	
5008 4-Cl Ac 3-thienyl			Ac	
5009 4-Cl Ac 2-furanyl	5009	4-C1	Ac	2-furanyl

<u> </u>	4 63		2 5
5010	4-C1	Ac	3-furanyl
5011	4-C1	AC	2-pyridyl
5012	4-C1	AC	3-pyridyl
5013	4-C1	Ac	4-pyridyl
5014	4-Cl	AC	2-indolyl
5015	4-C1	AC	3-indolyl
5016	4-Cl	Ac	5-indolyl
5017	4-C1	Ac_	6-indolyl
5018	4-C1	Ac	3-indazolyl
5019	4-C1	Ac	5-indazolyl
5020	4-C1	Ac	6-indazolyl
5021	4-C1	Ac	2-imidazolyl
5022	4-C1	Ac	3-isoxazoyl
5023	4-C1	Ac	3-pyrazolyl
5024	4-C1	Ac	2-thiadiazolyl
5025	4-C1	Ac	2-thiazolyl
5026	4-C1	Ac	5-Ac-4-Me-2-thiazolyl
5027	4-C1	Ac	5-tetrazolyl
5028	4-C1	Ac	2-benzimidazoly1
5029	4-C1	Ac	5-benzimidazolyl
5030	4-C1	Ac	2-benzothiazoly1
5031	4-C1	Ac	5-benzothiazolyl
5032	4-C1	Ac	2-benzoxazolyl
5033	4-C1	Ac	5-benzoxazolyl
5034	4-C1	Ac	1-adamanty1
5035	4-C1	AC	2-adamantyl
5036	4-C1	Ac	i-Pr
5037	4-Cl	Ac	t-Bu
5038	4-C1	AC	c-Hex
5039	4-C1	Ac	CH2CH2OMe
5040	4-C1	AC	CH2CONH2
5041	4-C1	Ac	CH2CO2Me
5042	4-C1	Ac	CH(CH2Ph)CO2Me
5043	4-C1	AC	CH2CH2NMe2
5044	4-C1	AC	benzyl
5045	4-C1	Ac	phenethyl
5046	4-C1	AC	2-(morpholin-1-yl)-Et_
5047	4-C1	COtBu	Ph
5048	4-C1	COtBu	3-CN-Ph
5049	4-C1	COtBu	3-COMe-Ph
5050	4-C1	COtBu	3-COME-Ph
	4-C1 4-C1	COLBU	3-CO2ME-PH 3-CONH2-Ph
5051 5052			3-CONHZ-PH 3-CONHMe-Ph
	4-C1	COtBu	3-F-Ph
5053	4-C1	COtBu	3-F-Ph
5054	4-C1	COtBu	3-C1-Pfi 3-Br-Ph
5055	4-Cl	COtBu	3-Br-Ph 3-SO2NH2-Ph
5056	4-C1	COtBu	
5057	4-C1	COtBu	3-SO2NHMe-Ph
5058	4-C1	COtBu	3-CF3-Ph
5059	4-C1	COtBu	3-OMe-Ph
5060	4-C1	COtBu	3-SMe-Ph
5061	4-C1	COtBu	3-SOMe-Ph
5062 5063	4-C1	COtBu	3-SO2Me-Ph
1 5063	4-Cl	COtBu	3-OH-Ph
5064	4-C1	COtBu	3-CH2OH-Ph

5065	4-C1	COtBu	3-CHOHMe-Ph
5066	4-C1	COtBu	3-COH (Me) 2-Ph
5067	4-C1	COtBu	3-Me-Ph
5068	4-C1	COtBu	3-Et-Ph
5069	4-C1	COtBu	3-iPr-Ph
5070	4-C1	COtBu	3-tBu-Ph
5071	4-C1	COtBu	3-CH2CO2Me-Ph
5072	4-C1		3-(1-piperidinyl)-Ph
5073	4-C1	COtBu COtBu	3-(1-pyrrolidinyl)-Ph
5074	4-C1	COtBu	3-(1-pyllolidinyl)-Fh 3-(2-imidazolyl)-Ph
5075	4-C1 4-C1	COtBu	3-(2-imidazoly1)-Fh 3-(1-imidazoly1)-Ph
	4-C1	COtBu	3-(2-thiazoly1)-Ph
5076			3-(2-thrazory)-Fh 3-(3-pyrazory)-Ph
5077	4-C1	COtBu	3-(3-pyrazoly1)-Ph
5078	4-C1	COtBu	3-(1-pylazoly1)-Ph
5079	4-C1	COtBu	
5080	4-C1	COtBu	3-(1-Me-5-tetrazolyl)-Ph
5081	4-C1	COtBu	3-(2-pyridyl)-Ph 3-(2-thienyl)-Ph
5082	4-C1	COtBu	
5083	4-C1	COtBu	3-(2-furanyl)-Ph
5084	4-C1	COtBu	4-CN-Ph
5085	4-C1	COtBu	4-COMe-Ph
5086	4-C1	COtBu	4-CO2Me-Ph
5087	4-C1	COtBu	4-CONH2-Ph
5088	4-C1	COtBu	4-CONHMe-Ph
5089	4-C1	COtBu	4-CONHPh-Ph
5090	4-C1	COtBu	4-F-Ph
5091	4-C1	COtBu	4-C1-Ph
5092	4-Cl	COtBu	4-Br-Ph
5093	4-C1	COtBu	4-SO2NH2-Ph
5094	4-C1	COtBu	4-SO2NHMe-Ph
5095	4-Cl	COtBu	4-CF3-Ph
5096	4-C1	COtBu	4-OMe-Ph
5097	4-C1	COtBu	4-SMe-Ph
5098	4-C1	COtBu	4-SOMe-Ph
5099	4-C1	COtBu	4-SO2Me-Ph
5100	4-C1	COtBu	4-OH-Ph
5101	4-C1	COtBu	4-CH2OH-Ph
5102	4-C1	COtBu	4-CHOHMe-Ph
5103	4-C1	COtBu	4-COH (Me) 2-Ph
5104	4-C1	COtBu	4-Me-Ph
5105	4-C1	COtBu	4-Et-Ph
5106	4-C1	COtBu	4-iPr-Ph
5107	4-C1	COtBu	4-tBu-Ph
5108	4-C1	COtBu	4-CH2CO2Me-Ph
5109	4-C1	COtBu	4-(1-piperidinyl)-Ph
5110	4-C1	COtBu	4-(1-pyrrolidinyl)-Ph
5111	4-Cl	COtBu	4-(2-imidazoly1)-Ph
5112	4-C1	COtBu	4-(1-imidazoly1)-Ph
5113	4-C1	COtBu	4-(2-thiazoly1)-Ph
5114	4-C1	COtBu	4-(3-pyrazolyl)-Ph
5115	4-Cl	COtBu	4-(1-pyrazolyl)-Ph
5116	4-C1	COtBu	4-(5-Me-1-tetrazoly1)-Ph
5117	4-C1	COtBu	4-(1-Me-5-tetrazolyl)-Ph
5118	4-C1	COtBu	4-(2-pyridy1)-Ph
5119	4-C1	COtBu	4-(2-thienyl)-Ph

5120	4-Cl	COtBu	4-(2-furanyl)-Ph
5121	4-Cl	COtBu	2-CN-Ph
5122	4-C1	COtBu	2-COMe-Ph
5123	4-C1	COtBu	2-CO2Me-Ph
5124	4-Cl	COtBu	2-CONH2-Ph
5125	4-C1	COtBu	2-CONHMe-Ph
5126	4-C1	COtBu	2-F-Ph
5127	4-C1	COtBu	2-Cl-Ph
5128	4-C1	COtBu	2-Br-Ph
5129	4-C1	COtBu	2-SO2NH2-Ph
5130	4-C1	COtBu	2-SO2NHMe-Ph
5131	4-C1	COtBu	2-CF3-Ph
5132	4-C1	COtBu	2-OMe-Ph
5133	4-C1	COtBu	2-SMe-Ph
5134	4-C1	COtBu	2-SOMe-Ph
5135	4-C1	COtBu	2-SO2Me-Ph
5136	4-C1	COtBu	2-OH-Ph
5137	4-C1	COtBu	2-CH2OH-Ph
5138	4-C1	COtBu	2-CHOHMe-Ph
5139	4-C1	COtBu	2-COH (Me) 2-Ph
5140	4-C1	COtBu	2-Me-Ph
5141	4-C1	COtBu	2-Et-Ph
5142	4-C1	COtBu	2-iPr-Ph
5143	4-C1	COtBu	2-tBu-Ph
5144	4-C1	COtBu	2-CH2CO2Me-Ph
5145	4-C1	COtBu	2-(1-piperidinyl)-Ph
5146	4-C1	COtBu	2-(1-pyrrolidiny1)-Ph
5147	4-C1	COtBu	2-(2-imidazoly1)-Ph
5148	4-C1	COtBu	2-(1-imidazoly1)-Ph
5149	4-C1	COtBu	2-(2-thiazolyl)-Ph
5150	4-C1	COtBu	2-(3-pyrazolyl)-Ph
5151	4-C1	COtBu	2-(1-pyrazolyl)-Ph
5152	4-C1	COtBu	2-(5-Me-1-tetrazoly1)-Ph
5153	4-C1	COtBu	2-(1-Me-5-tetrazoly1)-Ph
5154	4-C1	COtBu	2-(2-pyridyl)-Ph
5155	4-C1	COtBu	2-(2-thienyl)-Ph
5156	4-C1	COtBu	2-(2-furany1)-Ph
5157	4-C1	COtBu	2,4-diF-Ph
5158	4-C1	COtBu	2,5-diF-Ph
5159	4-C1	COtBu	2,6-diF-Ph
5160	4-C1	COtBu	3,4-diF-Ph
5161	4-C1	COtBu	3,5-diF-Ph
5162	4-C1	COtBu	2,4-diCl-Ph
5163	4-C1	COtBu	2,5-diCl-Ph
5164	4-C1	COtBu	2,6-diCl-Ph
5165	4-C1	COtBu	3,4-diCl-Ph
5166	4-C1	COtBu	3,5-diCl-Ph
5167	4-C1	COtBu	3,4-diCF3-Ph
5168	4-C1	COtBu	3,5-diCF3-Ph
5169	4-C1	COtBu	5-C1-2-MeO-Ph
5170	4-C1	COtBu	5-C1-2-Me-Ph
5171	4-C1	COtBu	2-F-5-Me-Ph
5172	4-C1	COtBu	3-F-5-morpholino-Ph
5173	4-C1	COtBu	3,4-OCH2O-Ph
5174	4-C1	COtBu	3,4-OCH2CH2O-Ph
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5175	4-C1	COtBu	2-MeO-5-CONH2-Ph
5176	4-C1	COtBu	2-MeO-4-(1-Me-5-tetrazolyl)-Ph
5177	4-C1	COtBu	2-MeO-5-(1-Me-5-tetrazolyl)-Ph
5178	4-C1	COtBu	3-CONH2-5-(1-Me-5-tetrazoly1)-Ph
5179	4-C1	COtBu	1-naphthyl
5180	4-C1	COtBu	2-naphthyl
5181	4-Cl	COtBu	2-thienyl
5182	4-C1	COtBu	3-thienyl
5183	4-C1	COtBu	2-furanyl
5184	4-Cl	COtBu	3-furanyl
5185	4-C1	COtBu	2-pyridyl
5186	4-C1	COtBu	3-pyridyl
5187	4-C1	COtBu	4-pyridy1
5188	4-C1	COtBu	2-indolyl
5189	4-C1	COtBu	3-indolyl
5190	4-C1	COtBu	5-indoly1
5191	4-C1	COtBu	6-indoly1
5192	4-C1	COtBu	3-indazolyl
5193	4-C1	COtBu	5-indazolyl
5194	4-C1	COtBu	6-indazolyl
5195	4-C1	COtBu	2-imidazolyl
5196	4-C1	COtBu	3-isoxazoyl
5197	4-C1	COtBu	3-pyrazolyl
5198	4-C1	COtBu	2-thiadiazolyl
5199	4-C1	COtBu	2-thiazolyl
5200	4-C1	COtBu	5-Ac-4-Me-2-thiazolyl
5201	4-C1	COtBu	5-tetrazolyl
5202	4-C1	COtBu	2-benzimidazolyl
5203	4-C1	COtBu	5-benzimidazolyl
5204	4-C1	COtBu	2-benzothiazolyl
5205	4-C1	COtBu	5-benzothiazolyl
5206	4-C1	COtBu	2-benzoxazolyl
5207	4-C1	COtBu	5-benzoxazolyl
5208	4-Cl	COtBu	1-adamantyl
5209	4-C1	COtBu	2-adamantyl
5210	4-C1	COtBu	i-Pr
5211	4-C1	COtBu	t-Bu
5212	4-C1	COtBu	c-Hex
5213	4-C1	COtBu	CH2CH2OMe
5214	4-C1	COtBu	CH2CONH2
5215	4-C1	COtBu	CH2CO2Me
5216	4-C1	COtBu	CH(CH2Ph)CO2Me
5217	4-C1	COtBu	CH2CH2NMe2
5218	4-C1	COtBu	benzyl
5219	4-C1	COtBu	phenethyl
5220	4-Cl	COtBu	2-(morpholin-1-yl)-Et
5221	4-C1	SO2Me	Ph
5222	4-C1	SO2Me	3-CN-Ph
5223	4-C1	SO2Me	3-COMe-Ph
5224	4-C1	SO2Me	3-CO2Me-Ph
5225	4-C1	SO2Me	3-CONH2-Ph
5226	4-C1	SO2Me	3-CONHMe-Ph
5227	4-Cl	SO2Me	3-F-Ph
5228	4-C1	SO2Me	3-C1-Ph
5229	4-C1	SO2Me	3-Br-Ph

5230	4-C1	SO2Me	3-SO2NH2-Ph
5231	4-C1	SO2Me	3-SO2NHMe-Ph
5232	4-C1	SO2Me	3-CF3-Ph
5233	4-C1	SO2Me	3-OMe-Ph
5234	4-C1	SO2Me	3-SMe-Ph
5235	4-C1	SO2Me	3-SOMe-Ph
5236	4-C1	SO2Me	3-SO2Me-Ph
5237	4-C1	SO2Me	3-OH-Ph
5238	4-C1	SO2Me	3-CH2OH-Ph
5239	4-C1	SO2Me	3-CHOHMe-Ph
5240	4-C1	SO2Me	3-COH (Me) 2-Ph
5241	4-C1	SO2Me	3-Me-Ph
5242	4-C1	SO2Me	3-Et-Ph
5243	4-C1	SO2Me	3-iPr-Ph
5244	4-C1	SO2Me	3-tBu-Ph
5245	4-C1	SO2Me	3-CH2CO2Me-Ph
5246	4-C1	SO2Me	3-(1-piperidinyl)-Ph
5247	4-C1	SO2Me	3-(1-pyrrolidinyl)-Ph
5248	4-C1	SO2Me	3-(2-imidazolyl)-Ph
5249	4-C1	SO2Me	3-(1-imidazoly1)-Ph
5250	4-C1	SO2Me	3-(2-thiazoly1)-Ph
5251	4-C1	SO2Me	3-(3-pyrazolyl)-Ph
5252	4-C1	SO2Me	3-(1-pyrazoly1)-Ph
5253	4-C1	SO2Me	3-(5-Me-1-tetrazoly1)-Ph
5254	4-C1	SO2Me	3-(1-Me-5-tetrazoly1)-Ph
5255	4-C1	SO2Me	3-(2-pyridy1)-Ph
5256	4-C1	SO2Me	3-(2-thieny1)-Ph
5257	4-C1	SO2Me	3-(2-furany1)-Ph
5258	4-C1	SO2Me	4-CN-Ph
5259	4-C1	SO2Me	4-COMe-Ph
5260	4-C1	SO2Me	4-CO2Me-Ph
5261	4-C1	SO2Me	4-CONH2-Ph
5262	4-C1	SO2Me	4-CONHMe-Ph
5263	4-C1	SO2Me	4-CONHPh-Ph
5264	4-C1	SO2Me	4-F-Ph
5265	4-C1	SO2Me	4-Cl-Ph
5266	4-C1	SO2Me	4-Br-Ph
5267	4-C1	SO2Me	4-SO2NH2-Ph
5268	4-C1	SO2Me	4-SO2NHMe-Ph
5269	4-C1	SO2Me	4-CF3-Ph
5270	4-C1	SO2Me	4-OMe-Ph
5271	4-C1	SO2Me	4-SMe-Ph
5272	4-C1	SO2Me	4-SOMe-Ph
5273	4-C1	SO2Me	4-SO2Me-Ph
5274	4-C1	SO2Me	4-OH-Ph
5275	4-C1	SO2Me	4-CH2OH-Ph
5276	4-C1	SO2Me	4-CHOHMe-Ph
5277	4-C1	SO2Me	4-COH(Me)2-Ph
5278	4-C1	SO2Me	4-Me-Ph
5279	4-C1	SO2Me	4-Et-Ph
5280	4-C1	SO2Me	4-iPr-Ph
5281	4-C1	SO2Me	4-tBu-Ph
5282	4-C1	SO2Me	4-CH2CO2Me-Ph
5283	4-C1	SO2Me	4-(1-piperidinyl)-Ph
5284	4-C1	SO2Me	4-(1-pyrrolidinyl)-Ph
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5285	4-C1	SO2Me	4-(2-imidazolyl)-Ph
5286	4-C1	SO2Me	4-(1-imidazoly1)-Ph
5287	4-C1	SO2Me	4-(2-thiazoly1)-Ph
5288	4-C1	SO2Me	4-(2-chiazoly1)-Fh 4-(3-pyrazoly1)-Ph
5289	4-C1		
5290		SO2Me	4-(1-pyrazolyl)-Ph
	4-C1	SO2Me	4-(5-Me-1-tetrazolyl)-Ph
5291	4-C1	SO2Me	4-(1-Me-5-tetrazolyl)-Ph
5292	4-C1	SO2Me	4-(2-pyridyl)-Ph
5293	4-C1	SO2Me	4-(2-thienyl)-Ph
5294	4-C1	SO2Me	4-(2-furany1)-Ph
5295	4-C1	SO2Me	2-CN-Ph
5296	4-Cl	SO2Me	2-COMe-Ph
5297	4-C1	SO2Me	2-CO2Me-Ph
5298	4-C1	SO2Me	2-CONH2-Ph
5299	4-C1	SO2Me	2-CONHMe-Ph
5300	4-C1	SO2Me	2-F-Ph
5301	4-C1	SO2Me	2-Cl-Ph
5302	4-C1	SO2Me	2-Br-Ph
5303	4-C1	SO2Me	2-SO2NH2-Ph
5304	4-C1	SO2Me	2-SO2NHMe-Ph
5305	4-C1	SO2Me	2-CF3-Ph
5306	4-C1	SO2Me	2-OMe-Ph
5307	4-Cl	SO2Me	2-SMe-Ph
5308	4-C1	SO2Me	2-SOMe-Ph
5309	4-C1	SO2Me	2-SO2Me-Ph
5310	4-C1	SO2Me	2-OH-Ph
5311	4-C1	SO2Me	2-CH2OH-Ph
5312	4-C1	SO2Me	2-CHOHMe-Ph
5313	4-C1	SO2Me	2-COH(Me)2-Ph
5314	4-C1	SO2Me	2-Me-Ph
5315	4-C1	SO2Me	2-Et-Ph
5316	4-C1	SO2Me	2-iPr-Ph
5317	4-C1	SO2Me	2-tBu-Ph
5318	4-C1	SO2Me	2-CH2CO2Me-Ph
5319	4-C1	SO2Me	2-(1-piperidinyl)-Ph
5320	4-C1	SO2Me	2-(1-pyrrolidinyl)-Ph
5321	4-C1	SO2Me	2-(2-imidazolyl)-Ph
5322	4-C1	SO2Me	2-(1-imidazolyl)-Ph
5323	4-C1	SO2Me	2-(2-thiazolyl)-Ph
5324	4-C1	SO2Me	2-(3-pyrazolyl)-Ph
5325	4-C1	SO2Me	2-(1-pyrazoly1)-Ph
5326	4-C1	SO2Me	2-(5-Me-1-tetrazoly1)-Ph
5327	4-C1	SO2Me	2-(1-Me-5-tetrazoly1)-Ph
5327	4-C1	SO2Me	2-(1-Me-3-cectazory) FH 2-(2-pyridyl)-Ph
5329	4-C1	SO2Me	2-(2-by:ldy:)-Fn 2-(2-thieny:)-Ph
5330	4-C1	SO2Me	2-(2-threny1)-Ph 2-(2-furany1)-Ph
5331	4-C1	SO2Me	2-(2-1014Hy1)-FH 2,4-diF-Ph
5332	4-C1	SO2Me	2,4-dir-Ph 2,5-dir-Ph
		SO2Me SO2Me	2,5-dir-Ph 2,6-dir-Ph
5333	4-C1		
5334	4-C1	SO2Me	3,4-diF-Ph
5335	4-C1	SO2Me	3,5-diF-Ph
5336	4-C1	SO2Me	2,4-diCl-Ph
5337	4-Cl	SO2Me	2,5-diCl-Ph
5338	4-C1	SO2Me	2,6-diCl-Ph
5339	4-C1	SO2Me	3,4-diCl-Ph

5340	4-C1	SO2Me	3,5-diCl-Ph
5341	4-C1	SO2Me	3,4-diCF3-Ph
5342	4-C1	SO2Me	3,5-diCF3-Ph
5343	4-C1	SO2Me	5-Cl-2-MeO-Ph
5344	4-C1	SO2Me	5-Cl-2-Me-Ph
5345	4-C1	SO2Me	2-F-5-Me-Ph
5346	4-C1	SO2Me	3-F-5-morpholino-Ph
5347	4-C1	SO2Me	3,4-OCH2O-Ph
5348	4-C1	SO2Me	3,4-OCH2CH2O-Ph
5349	4-C1	SO2Me	2-MeO-5-CONH2-Ph
5350	4-C1	SO2Me	2-MeO-4-(1-Me-5-tetrazolyl)-Ph
5351	4-C1	SO2Me	2-MeO-5-(1-Me-5-tetrazoly1)-Ph
5352	4-C1	SO2Me	3-CONH2-5-(1-Me-5-tetrazolyl)-Ph
5353	4-C1	SO2Me	1-naphthyl
5354	4-C1	SO2Me	2-naphthyl
5355	4-C1	SO2Me	2-thienyl
5356	4-C1	SO2Me	3-thienyl
5357	4-C1	SO2Me	2-furanyl
5358	4-C1	SO2Me	3-furanyl
5359	4-C1	SO2Me	2-pyridyl
5360	4-C1	SO2Me	3-pyridyl
5361	4-C1	SO2Me	4-pyridyl
5362	4-C1	SO2Me	2-indolyl
5363	4-C1	SO2Me	3-indolyl
5364	4-C1	SO2Me	5-indolyl
5365	4-C1	SO2Me	6-indolyl
5366	4-C1	SO2Me	3-indazolyl
5367	4-C1	SO2Me	5-indazolyl
5368	4-C1	SO2Me	6-indazolyl
5369	4-C1	SO2Me	2-imidazolyl
5370	4-Cl	SO2Me	3-isoxazoyl
5371	4-C1	SO2Me	3-pyrazolyl
5372	4-Cl	SO2Me	2-thiadiazolyl
5373	4-C1	SO2Me	2-thiazolyl
5374	4-C1	SO2Me	5-Ac-4-Me-2-thiazolyl
5375	4-C1	SO2Me	5-tetrazolyl
5376	4-C1	SO2Me	2-benzimidazolyl
5377	4-C1	SO2Me	5-benzimidazolyl
5378	4-C1	SO2Me	2-benzothiazolyl
5379	4-C1	SO2Me	5-benzothiazolyl
5380	4-C1	SO2Me	2-benzoxazolyl
5381	4-Cl	SO2Me	5-benzoxazolyl
5382	4-C1	SO2Me	1-adamanty1
5383	4-C1	SO2Me	2-adamantyl
5384	4-C1	SO2Me	i-Pr
5385	4-C1	SO2Me	t-Bu
5386	4-C1	SO2Me	с-Нех
5387	4-C1	SO2Me	CH2CH2OMe
5388	4-C1	SO2Me	CH2CONH2
5389	4-C1	SO2Me	CH2CO2Me
5390	4-C1	SO2Me	CH (CH2Ph) CO2Me
5391	4-C1	SO2Me	CH2CH2NMe2
5392	4-C1	SO2Me	benzyl
5393	4-C1	SO2Me	phenethyl
5394	4-C1	SO2Me	2-(morpholin-1-yl)-Et
	_ <del>-</del>	DOZITE	2 (mor 5110 + 111 + 31 / - 11 C

<u> </u>	1 4 01	L GTTD GOVE	71
5395	4-C1	CH2COMe	Ph
5396	4-C1	CH2COMe	3-CN-Ph
5397	4-C1	CH2COMe	3-COMe-Ph
5398	4-C1	CH2COMe	3-CO2Me-Ph
5399	4-C1	CH2COMe	3-CONH2-Ph
5400	4-C1	CH2COMe	3-CONHMe-Ph
5401	4-C1	CH2COMe	3-F-Ph
5402	4-C1	CH2COMe	3-Cl-Ph
5403	4-C1	CH2COMe	3-Br-Ph
5404	4-C1	CH2COMe	3-SO2NH2-Ph
5405	4-C1	CH2COMe	3-SO2NHMe-Ph
5406	4-Cl	CH2COMe	3-CF3-Ph
5407	4-C1	CH2COMe	3-OMe-Ph
5408	4-C1	CH2COMe	3-SMe-Ph
5409	4-C1	CH2COMe	3-SOMe-Ph
5410	4-C1	CH2COMe	3-SO2Me-Ph
5411	4-C1	CH2COMe	3-OH-Ph
5412	4-C1	CH2COMe	3-CH2OH-Ph
5413	4-C1	CH2COMe	3-CHOHMe-Ph
5414	4-C1	CH2COMe	3-COH (Me) 2-Ph
5415	4-C1	CH2COMe	3-Me-Ph
5416	4-C1	CH2COMe	3-He-FH 3-Et-Ph
	4-C1	CH2COMe	3-iPr-Ph
5417			
5418	4-C1	CH2COMe	3-tBu-Ph 3-CH2CO2Me-Ph
5419	4-C1	CH2COMe	
5420	4-C1	CH2COMe	3-(1-piperidinyl)-Ph
5421	4-C1	CH2COMe	3-(1-pyrrolidinyl)-Ph
5422	4-C1	CH2COMe	3-(2-imidazoly1)-Ph
5423	4-C1	CH2COMe	3-(1-imidazolyl)-Ph
5424	4-C1	CH2COMe	3-(2-thiazoly1)-Ph
5425	4-C1	CH2COMe	3-(3-pyrazolyl)-Ph
5426	4-C1	CH2COMe	3-(1-pyrazolyl)-Ph
5427	4-C1	CH2COMe	3-(5-Me-1-tetrazolyl)-Ph
5428	4-C1	CH2COMe	3-(1-Me-5-tetrazolyl)-Ph
5429	4-C1	CH2COMe	3-(2-pyridyl)-Ph
5430		CH2COMe	3-(2-thienyl)-Ph
5431	4-C1	CH2COMe	3-(2-furanyl)-Ph
5432	4-C1	CH2COMe	4-CN-Ph
5433	4-C1	CH2COMe	4-COMe-Ph
5434	4-C1	CH2COMe	4-CO2Me-Ph
5435	4-C1	CH2COMe	4-CONH2-Ph
5436	4-C1	CH2COMe	4-CONHMe-Ph
5437	4-C1	CH2COMe	4-CONHPh-Ph
5438	4-C1	CH2COMe	4-F-Ph
5439	4-C1	CH2COMe	4-Cl-Ph
5440	4-C1	CH2COMe	4-Br-Ph
5441	4-C1	CH2COMe	4-SO2NH2-Ph
5442	4-C1	CH2COMe	4-SO2NHMe-Ph
5443	4-C1	CH2COMe	4-CF3-Ph
5444	4-C1	CH2COMe	4-OMe-Ph
5445	4-C1	CH2COMe	4-SMe-Ph
5446	4-C1	CH2COMe	4-SOMe-Ph
5447	4-C1	CH2COMe	4-SO2Me-Ph
5448	4-C1	CH2COMe	4-OH-Ph
5449	4-C1	CH2COMe	4-CH2OH-Ph
	-4-CT	CITZCOME	4-(1120π-111

F450	4 61	G770 G015-	4 0770774 11
5450	4-C1	CH2COMe	4-CHOHMe-Ph
5451	4-C1	CH2COMe	4-COH (Me) 2-Ph
5452	4-C1		4-Me-Ph
5453	4-C1		4-Et-Ph
5454	4-C1		4-iPr-Ph
5455	4-C1		4-tBu-Ph
5456	4-C1	<del></del>	4-CH2CO2Me-Ph
5457	4-C1	CH2COMe	4-(1-piperidinyl)-Ph
5458	4-C1	CH2COMe	4-(1-pyrrolidinyl)-Ph
5459	4-C1	CH2COMe	4-(2-imidazolyl)-Ph
5460	4-C1	CH2COMe	4-(1-imidazolyl)-Ph
5461	4-C1	CH2COMe	4-(2-thiazolyl)-Ph
5462	4-C1	CH2COMe	4-(3-pyrazolyl)-Ph
5463	4-C1	CH2COMe	4-(1-pyrazolyl)-Ph
5464	4-C1	CH2COMe	4-(5-Me-1-tetrazolyl)-Ph
5465	4-C1	CH2COMe	4-(1-Me-5-tetrazolyl)-Ph
5466	4-C1	CH2COMe	4-(2-pyridyl)-Ph
5467	4-C1	CH2COMe	4-(2-thienyl)-Ph
5468	4-C1	CH2COMe	4-(2-furanyl)-Ph
5469	4-C1	CH2COMe	2-CN-Ph
5470	4-C1	CH2COMe	2-COMe-Ph
5471	4-C1	CH2COMe	2-CO2Me-Ph
5472	4-C1	CH2COMe	2-CONH2-Ph
5473	4-C1	CH2COMe	2-CONHMe-Ph
5474	4-C1	CH2COMe	2-F-Ph
5475	4-C1	CH2COMe	2-C1-Ph
5476	4-C1	CH2COMe	2-Br-Ph
5477	4-C1	CH2COMe	2-SO2NH2-Ph
5478	4-C1	CH2COMe	2-SO2NHMe-Ph
5479	4-C1	CH2COMe	2-CF3-Ph
5480	4-C1	CH2COMe	2-OMe-Ph
5481	4-C1	CH2COMe	2-SMe-Ph
5482	4-C1	CH2COMe	2-SOMe-Ph
5483	4-C1	CH2COMe	2-SO2Me-Ph
5484	4-C1	CH2COMe	2-OH-Ph
5485	4-C1	CH2COMe	2-CH2OH-Ph
5486	4-C1	CH2COMe	2-CHOHMe-Ph
5487	4-C1	CH2COMe	2-COH (Me) 2-Ph
5488	4-C1	CH2COMe	2-Me-Ph
5489	4-C1	CH2COMe	2-Et-Ph
5490	4-C1	CH2COMe	2-iPr-Ph
5491	4-C1	CH2COMe	2-tBu-Ph
5492	4-C1	CH2COMe	2-CH2CO2Me-Ph
5493	4-C1	CH2COMe	2-(1-piperidinyl)-Ph
5494	4-C1	CH2COMe	2-(1-pyrrolidinyl)-Ph
5495	4-C1	CH2COMe	2-(2-imidazolyl)-Ph
5496	4-C1	CH2COMe	2-(1-imidazolyl)-Ph
5497	4-C1	CH2COMe	2-(2-thiazolyl)-Ph
5498	4-C1	CH2COMe	2-(3-pyrazoly1)-Ph
5499	4-C1	CH2COMe	2-(1-pyrazoly1)-Ph
5500	4-C1	CH2COMe	2-(5-Me-1-tetrazoly1)-Ph
5501	4-C1	CH2COMe	2-(1-Me-1-tetrazoly1)-Ph
5502	4-C1	CH2COMe	2-(1-Me-3-tet1a201y1)-Ph 2-(2-pyridy1)-Ph
5503	4-C1	CH2COMe	2-(2-bylidyl)-Ph 2-(2-thienyl)-Ph
5504	4-C1	CH2COMe	2-(2-threny1)-Ph 2-(2-furany1)-Ph
JJ04	4-01	CH2COME	2-(2-1urally1)-Pf1

FEOE	4 01	CITACOMO	2 / dim ph
5505	4-Cl	CH2COMe	2,4-diF-Ph
5506	4-C1	CH2COMe	2,5-diF-Ph
5507	4-C1	CH2COMe	2,6-diF-Ph
5508	4-C1	CH2COMe	3,4-diF-Ph
5509	4-C1	CH2COMe	3,5-diF-Ph
5510	4-C1	CH2COMe	2,4-diCl-Ph
5511	4-C1	CH2COMe	2,5-diCl-Ph
5512	4-C1	CH2COMe	2,6-diCl-Ph
5513	4-C1	CH2COMe	3,4-diCl-Ph
5514	4-C1	CH2COMe	3,5-diCl-Ph
5515	4-C1	CH2COMe	3,4-diCF3-Ph
5516	4-C1	CH2COMe	3,5-diCF3-Ph
5517	4-C1	CH2COMe	5-C1-2-MeO-Ph
5518	4-C1	CH2COMe	5-Cl-2-Me-Ph
5519	4-C1	CH2COMe	2-F-5-Me-Ph
5520	4-C1	CH2COMe	3-F-5-morpholino-Ph
5521	4-C1	CH2COMe	3,4-OCH2O-Ph
5522	4-C1	CH2COMe	3,4-OCH2CH2O-Ph
5523	4-C1	CH2COMe	2-MeO-5-CONH2-Ph
5524	4-C1	CH2COMe	2-MeO-4-(1-Me-5-tetrazolyl)-Ph
5525	4-C1	CH2COMe	2-MeO-5-(1-Me-5-tetrazolyl)-Ph
5526	4-C1	CH2COMe	3-CONH2-5-(1-Me-5-tetrazolyl)-Ph
5527	4-C1	CH2COMe	1-naphthyl
5528	4-C1	CH2COMe	2-naphthyl
5529	4-C1	CH2COMe	2-thienyl
5530	4-C1	CH2COMe	3-thienyl
5531	4-C1	CH2COMe	2-furanyl
		CH2COMe CH2COMe	3-furanyl
5532 5533	4-Cl		2-pyridy1
	4-C1	CH2COMe	
5534	4-C1	CH2COMe	3-pyridyl
5535	4-C1	CH2COMe	4-pyridyl
5536	4-C1	CH2COMe	2-indolyl
5537		CH2COMe	3-indolyl
5538		CH2COMe	5-indolyl
5539	4-C1	CH2COMe	6-indolyl
5540	4-C1	CH2COMe	3-indazolyl
5541	4-C1	CH2COMe	5-indazolyl
5542	4-C1	CH2COMe	6-indazolyl
5543	4-C1	CH2COMe	2-imidazolyl
5544	4-C1	CH2COMe	3-isoxazoyl
5545	4-C1	CH2COMe	3-pyrazolyl
5546	4-C1	CH2COMe	2-thiadiazolyl
5547	4-C1	CH2COMe	2-thiazolyl
5548	4-C1	CH2COMe	5-Ac-4-Me-2-thiazolyl
5549	4-C1	CH2COMe	5-tetrazolyl
5550	4-C1	CH2COMe	2-benzimidazolyl
5551	4-C1	CH2COMe	5-benzimidazolyl
5552	4-Cl	CH2COMe	2-benzothiazolyl
5553	4-C1	CH2COMe	5-benzothiazolyl
5554	4-C1	CH2COMe	2-benzoxazolyl
5555	4-C1	CH2COMe	5-benzoxazolyl
5556	4-C1	CH2COMe	1-adamantyl
5557	4-C1	CH2COMe	2-adamantyl
5558	4-C1	CH2COMe	i-Pr
5559	4-C1	CH2COMe	t-Bu
		CITACOLIC	

PH 7193 DIV 1

5560	4-Cl	CH2COMe	c-Hex
5561	4-C1	CH2COMe	CH2CH2OMe
5562	4-C1	CH2COMe	CH2CONH2
5563	4-C1	CH2COMe	CH2CO2Me
5564	4-Cl	CH2COMe	CH(CH2Ph)CO2Me
5565	4-C1	CH2COMe	CH2CH2NMe2
5566	4-C1	CH2COMe	benzyl
5567	4-C1	CH2COMe	phenethyl
5568	4-C1	CH2COMe	2-(morpholin-1-yl)-Et

Table 3

9	2-F	3-Br-Ph
10	2-F	3-SO2NH2-Ph
11	2-F	3-SO2NHMe-Ph
12	2-F	3-CF3-Ph
13	2-F	3-OMe-Ph
14	2-F	
15	2-F	3-SMe-Ph
		3-SOMe-Ph
16	2-F	3-SO2Me-Ph
17	2-F	3-OH-Ph
18	2-F	3-CH2OH-Ph
19	2-F	3-CHOHMe-Ph
20	2-F	3-COH (Me) 2-Ph
21	2-F	3-Me-Ph
22	2-F	3-Et-Ph
23	2-F	3-iPr-Ph
24	2-F	3-tBu-Ph
25	2-F	3-CH2CO2Me-Ph
26	2-F	3-(1-piperidinyl)-Ph
27	2-F	3-(1-pyrrolidinyl)-Ph
28	2-F	3-(2-imidazolyl)-Ph
29	2-F	3-(1-imidazolyl)-Ph
30	2-F	3-(2-thiazolyl)-Ph
31	2-F	3-(3-pyrazolyl)-Ph
32	2-F	3-(1-pyrazolyl)-Ph
33	2-F	3-(5-Me-1-tetrazoly1)-Ph
34	2-F	3-(1-Me-5-tetrazolyl)-Ph
35	2-F	3-(2-pyridyl)-Ph
36	2-F	3-(2-thienyl)-Ph
37	2-F	3-(2-furanyl)-Ph
38	2-F	4-CN-Ph
39	2-F	4-COMe-Ph
40	2-F	4-CO2Me-Ph
41	2-F	4-CONH2-Ph
42	2-F	4-CONHMe-Ph
43	2-F	4-CONHPh-Ph
44	2-F	4-F-Ph
45	2-F	4-C1-Ph
46	2-F	4-Br-Ph
47	2-F	4-SO2NH2-Ph
48	2-F	4-SO2NHMe-Ph
49	2-F	4-S02NIMe-FII 4-CF3-Ph
50	2-F	4-OMe-Ph
51	2-F	4-SMe-Ph
52	2-F	4-SMe-Ph
53	2-F	4-SO2Me-Ph
54	2-F	4-SOZME-FII 4-OH-Ph
55	2-F	4-OH-PH 4-CH2OH-Ph
56	2-F 2-F	4-CHOHMe-Ph
57	2-F 2-F	4-CHORME-PH 4-COH (Me) 2-Ph
58	2-F 2-F	4-COH (Me) 2-Ph 4-Me-Ph
59	2-F 2-F	
		4-Et-Ph
60	2-F	4-iPr-Ph
61	2-F	4-tBu-Ph
62	2-F	4-CH2CO2Me-Ph
63	2-F	4-(1-piperidiny1)-Ph

64	2-F	4-(1-pyrrolidinyl)-Ph
65	2-F	4-(2-imidazoly1)-Ph
66	2-F	4-(1-imidazolyl)-Ph
67	2-F	4-(2-thiazolyl)-Ph
68	2-F	4-(3-pyrazolyl)-Ph
69	2-F	4-(1-pyrazolyl)-Ph
70	2-F	4-(5-Me-1-tetrazolyl)-Ph
71	2-F	4-(1-Me-5-tetrazoly1)-Ph
72	2-F	4-(2-pyridyl)-Ph
73	2-F	4-(2-thienyl)-Ph
74	2-F	4-(2-furanyl)-Ph
75	2-F	2-CN-Ph
76	2-F	2-COMe-Ph
77	2-F	2-CO2Me-Ph
78	2-F	2-COZME-FII 2-CONH2-Ph
79		
80	2-F	2-CONHMe-Ph
	2-F	2-F-Ph
81	2-F	2-C1-Ph
82	2-F	2-Br-Ph
83	2-F	2-SO2NH2-Ph
84	2-F	2-SO2NHMe-Ph
85	2-F	2-CF3-Ph
86	2-F	2-OMe-Ph
87	2-F	2-SMe-Ph
88	2-F	2-SOMe-Ph
89	2-F	2-SO2Me-Ph
90	2-F	2-OH-Ph
91	2-F	2-CH2OH-Ph
92	2-F	2-CHOHMe-Ph
93	2-F	2-COH(Me)2-Ph
94	2-F	2-Me-Ph
95	2-F	2-Et-Ph
96	2-F	2-iPr-Ph
97	2-F	2-tBu-Ph
98	2-F	2-CH2CO2Me-Ph
99	2-F	2-(1-piperidinyl)-Ph
100	2-F	2-(1-pyrrolidinyl)-Ph
101	2-F	2-(2-imidazolyl)-Ph
102	2-F	2-(1-imidazolyl)-Ph
103	2-F	2-(2-thiazoly1)-Ph
104	2-F	2-(3-pyrazoly1)-Ph
105	2-F	2-(1-pyrazolyl)-Ph
106	2-F	2-(5-Me-1-tetrazolyl)-Ph
107	2-F	2-(1-Me-5-tetrazolyl)-Ph
108	2-F	2-(1-Me-3-tetrazory)-FN 2-(2-pyridyl)-Ph
109	2-F	
		2-(2-thienyl)-Ph
110	2-F	2-(2-furany1)-Ph
111	2-F	2,4-diF-Ph
112	2-F	2,5-diF-Ph
113	2-F	2,6-diF-Ph
114	2-F	3,4-diF-Ph
115	2-F	3,5-diF-Ph
116	2-F	2,4-diCl-Ph
117	2-F	2,5-diCl-Ph
118	2-F	2,6-diCl-Ph

119
121   2-F   3,4-diCF3-Ph   122   2-F   3,5-diCF3-Ph   123   2-F   5-C1-2-MeO-Ph   124   2-F   5-C1-2-MeO-Ph   124   2-F   5-C1-2-Me-Ph   125   2-F   2-F-5-Me-Ph   126   2-F   3-F-5-morpholino-Ph   127   2-F   3,4-OCH2O-Ph   128   2-F   3,4-OCH2O-Ph   129   2-F   2-MeO-5-CONH2-Ph   130   2-F   2-MeO-5-(1-Me-5-tetrazoly1)-Ph   131   2-F   2-MeO-5-(1-Me-5-tetrazoly1)-Ph   132   2-F   3-CONH2-5-(1-Me-5-tetrazoly1)-Ph   133   2-F   1-naphthyl   134   2-F   2-maphthyl   135   2-F   2-thienyl   136   2-F   3-thienyl   137   2-F   2-furanyl   138   2-F   3-furanyl   139   2-F   2-pyridyl   140   2-F   3-pyridyl   141   2-F   4-pyridyl   142   2-F   2-indolyl   143   2-F   3-indolyl   144   2-F   3-indolyl   145   2-F   3-indazolyl   146   2-F   3-indazolyl   147   2-F   3-indazolyl   148   2-F   2-indazolyl   149   2-F   2-indazolyl   150   2-F   3-insoxazoyl   151   2-F   2-thiadiazolyl   155   2-F   2-thiadiazolyl   155   2-F   2-thiadiazolyl   155   2-F   3-pyrazolyl   155   2-F   5-henzimidazolyl   156   2-F   5-benzimidazolyl   157   2-F   5-benzimidazolyl   158   2-F   5-benzimidazolyl   158   2-F   2-benzothiazolyl   159   2-F   5-benzothiazolyl   150   2-F   2-benzothiazolyl   150   2-F
122   2-F   3,5-diCF3-Ph   123   2-F   5-Cl-2-MeO-Ph   124   2-F   5-Cl-2-MeO-Ph   125   2-F   2-F-5-Me-Ph   126   2-F   3-F-5-morpholino-Ph   127   2-F   3,4-OCH2O-Ph   128   2-F   2-MeO-5-CONH2-Ph   130   2-F   2-MeO-5-(1-Me-5-tetrazoly1)-Ph   131   2-F   2-MeO-5-(1-Me-5-tetrazoly1)-Ph   132   2-F   3-CONH2-5-(1-Me-5-tetrazoly1)-Ph   133   2-F   2-meO-5-(1-Me-5-tetrazoly1)-Ph   134   2-F   2-naphthyl   135   2-F   2-thienyl   136   2-F   3-thienyl   137   2-F   2-furanyl   138   2-F   3-thienyl   139   2-F   2-pyridyl   140   2-F   3-pyridyl   141   2-F   2-indolyl   142   2-F   3-indolyl   144   2-F   3-indolyl   145   2-F   3-indolyl   146   2-F   3-indolyl   147   2-F   3-indazolyl   148   2-F   3-indazolyl   149   2-F   3-indazolyl   149   2-F   3-indazolyl   149   2-F   3-indazolyl   150   2-F   3-isoxazoyl   151   2-F   2-thiadiazolyl   153   2-F   2-thiadiazolyl   155   2-F   3-isoxazoyl   155   2-F   3-isoxazoyl   155   2-F   3-ibenzimidazolyl   156   2-F   5-henzimidazolyl   157   2-F   5-benzimidazolyl   158   2-F   5-benzimidazolyl   158   2-F   5-benzimidazolyl   158   2-F   2-benzothiazolyl   159   2-F   5-benzimidazolyl   159   2-F   5-benzimidazolyl   159   2-F   5-benzimidazolyl   159   2-F   5-benzothiazolyl   150   2-F   2-benzothiazolyl   150   2-F   2-benzothiazolyl   150   2-F   2-benzothiazolyl   150   2-F   2-benzot
123   2-F   5-Cl-2-MeO-Ph   124   2-F   5-Cl-2-Me-Ph   125   2-F   2-F-5-Me-Ph   126   2-F   3-F-5-morpholino-Ph   127   2-F   3,4-OCH2O-Ph   128   2-F   3,4-OCH2CH2O-Ph   129   2-F   2-MeO-5-CONH2-Ph   130   2-F   2-MeO-5-(1-Me-5-tetrazolyl)-Ph   131   2-F   2-MeO-5-(1-Me-5-tetrazolyl)-Ph   132   2-F   3-CONH2-5-(1-Me-5-tetrazolyl)-Ph   133   2-F   2-meO-5-(1-Me-5-tetrazolyl)-Ph   134   2-F   2-naphthyl   135   2-F   2-thienyl   136   2-F   3-thienyl   137   2-F   2-furanyl   138   2-F   3-furanyl   139   2-F   2-pyridyl   140   2-F   3-pyridyl   141   2-F   4-pyridyl   142   2-F   2-indolyl   143   2-F   3-indolyl   144   2-F   3-indolyl   145   2-F   3-indazolyl   146   2-F   3-indazolyl   147   2-F   3-indazolyl   148   2-F   3-indazolyl   149   2-F   3-indazolyl   150   2-F   3-isoxazoyl   151   2-F   3-isoxazoyl   152   2-F   2-thiadiazolyl   153   2-F   2-thiadiazolyl   155   2-F   2-thiadiazolyl   155   2-F   2-thiadiazolyl   155   2-F   3-benzimidazolyl   156   2-F   3-benzimidazolyl   157   2-F   5-benzimidazolyl   158   2-F   2-benzothiazolyl   159   2-F   2-benzothiazolyl   159   2-F   2-benzothiazolyl   159   2-F   3-benzothiazolyl   150   2-F   3-benzothiazolyl   150   2-F
123   2-F   5-Cl-2-MeO-Ph   124   2-F   5-Cl-2-Me-Ph   125   2-F   2-F-5-Me-Ph   126   2-F   3-F-5-morpholino-Ph   127   2-F   3,4-OCH2O-Ph   128   2-F   3,4-OCH2CH2O-Ph   129   2-F   2-MeO-5-CONH2-Ph   130   2-F   2-MeO-5-(1-Me-5-tetrazolyl)-Ph   131   2-F   2-MeO-5-(1-Me-5-tetrazolyl)-Ph   132   2-F   3-CONH2-5-(1-Me-5-tetrazolyl)-Ph   133   2-F   2-meO-5-(1-Me-5-tetrazolyl)-Ph   134   2-F   2-maphthyl   135   2-F   2-thienyl   136   2-F   3-thienyl   137   2-F   3-thienyl   138   2-F   3-furanyl   139   2-F   3-furanyl   140   2-F   3-pyridyl   141   2-F   4-pyridyl   142   2-F   2-indolyl   143   2-F   3-indolyl   144   2-F   3-indolyl   145   2-F   3-indazolyl   146   2-F   3-indazolyl   147   2-F   3-indazolyl   148   2-F   3-indazolyl   149   2-F   3-indazolyl   150   2-F   3-ipyrazolyl   150   2-F   3-ipyrazolyl   151   2-F   2-thiadiazolyl   153   2-F   2-thiadiazolyl   155   2-F   2-thiadiazolyl   155   2-F   2-thiadiazolyl   155   2-F   2-thiadiazolyl   156   2-F   2-benzimidazolyl   157   2-F   5-benzimidazolyl   158   2-F   2-benzothiazolyl   159   2-F   3-benzothiazolyl   150   2-F   3-benzothiazolyl   150   2-F
124
125   2-F   3-F-5-Me-Ph   126   2-F   3-F-5-morpholino-Ph   127   2-F   3,4-OCH2O-Ph   128   2-F   3,4-OCH2O-Ph   129   2-F   2-MeO-5-CONH2-Ph   130   2-F   2-MeO-5-(1-Me-5-tetrazoly1)-Ph   131   2-F   2-MeO-5-(1-Me-5-tetrazoly1)-Ph   132   2-F   3-CONH2-5-(1-Me-5-tetrazoly1)-Ph   133   2-F   1-naphthyl   135   2-F   2-thienyl   136   2-F   3-thienyl   137   2-F   2-thienyl   138   2-F   3-furanyl   139   2-F   2-pyridyl   140   2-F   3-pyridyl   141   2-F   2-indolyl   142   2-F   2-indolyl   143   2-F   3-indolyl   144   2-F   3-indolyl   145   2-F   6-indolyl   146   2-F   3-indazolyl   147   2-F   3-indazolyl   148   2-F   3-indazolyl   149   2-F   3-indazolyl   150   2-F   3-isoxazoyl   151   2-F   3-pyrazolyl   152   2-F   2-thiadiazolyl   153   2-F   2-thiadiazolyl   155   2-F   2-thiadiazolyl   155   2-F   2-thiadiazolyl   156   2-F   2-benzimidazolyl   157   2-F   5-benzimidazolyl   158   2-F   2-benzimidazolyl   159   2-F   5-benzimidazolyl   150   2-F   2-benzimidazolyl   150   2-F   2-benzimida
126
127
128
129
130
131   2-F   2-MeO-5-(1-Me-5-tetrazolyl)-Ph   132   2-F   3-CONH2-5-(1-Me-5-tetrazolyl)-Ph   133   2-F   1-naphthyl   134   2-F   2-naphthyl   135   2-F   2-thienyl   136   2-F   3-thienyl   137   2-F   2-furanyl   138   2-F   3-furanyl   139   2-F   2-pyridyl   140   2-F   3-pyridyl   141   2-F   4-pyridyl   142   2-F   2-indolyl   143   2-F   3-indolyl   144   2-F   3-indolyl   145   2-F   6-indolyl   146   2-F   3-indazolyl   147   2-F   5-indazolyl   148   2-F   3-indazolyl   149   2-F   2-imidazolyl   150   2-F   3-isoxazoyl   151   2-F   2-thiadiazolyl   152   2-F   2-thiadiazolyl   153   2-F   2-thiadiazolyl   155   2-F   5-Ac-4-Me-2-thiazolyl   156   2-F   2-benzimidazolyl   157   2-F   5-benzimidazolyl   158   2-F   2-benzothiazolyl   158   2-F   2-benzothiazolyl   159   2-F   5-benzothiazolyl   159   2-F   150
132   2-F   3-CONH2-5-(1-Me-5-tetrazolyl)-Ph   133   2-F   1-naphthyl   134   2-F   2-naphthyl   135   2-F   2-thienyl   136   2-F   3-thienyl   137   2-F   2-furanyl   138   2-F   3-furanyl   139   2-F   3-pyridyl   140   2-F   3-pyridyl   141   2-F   4-pyridyl   142   2-F   2-indolyl   143   2-F   3-indolyl   144   2-F   5-indolyl   145   2-F   3-indazolyl   146   2-F   3-indazolyl   147   2-F   5-indazolyl   148   2-F   3-indazolyl   150   2-F   3-isoxazoyl   151   2-F   3-isoxazoyl   152   2-F   2-thiadiazolyl   153   2-F   2-thiadiazolyl   154   2-F   5-henzimidazolyl   155   2-F   5-tetrazolyl   156   2-F   2-benzimidazolyl   157   2-F   5-benzimidazolyl   158   2-F   2-benzothiazolyl   159   2-F   5-benzothiazolyl   159   2-F   150
133         2-F         1-naphthyl           134         2-F         2-naphthyl           135         2-F         2-thienyl           136         2-F         3-thienyl           137         2-F         2-furanyl           138         2-F         3-furanyl           139         2-F         2-pyridyl           140         2-F         3-pyridyl           141         2-F         4-pyridyl           141         2-F         2-indolyl           142         2-F         3-indolyl           143         2-F         3-indolyl           144         2-F         3-indazolyl           145         2-F         3-indazolyl           146         2-F         3-indazolyl           148         2-F         6-indazolyl           149         2-F         2-imidazolyl           150         2-F         3-isoxazoyl           151         2-F         3-pyrazolyl           152         2-F         2-thiadiazolyl           153         2-F         2-thiazolyl           154         2-F         5-Ac-4-Me-2-thiazolyl           155         2-F         5-terzoly
134       2-F       2-naphthyl         135       2-F       2-thienyl         136       2-F       3-thienyl         137       2-F       2-furanyl         138       2-F       3-furanyl         139       2-F       2-pyridyl         140       2-F       3-pyridyl         141       2-F       4-pyridyl         142       2-F       2-indolyl         143       2-F       3-indolyl         144       2-F       5-indolyl         145       2-F       6-indolyl         146       2-F       3-indazolyl         147       2-F       5-indazolyl         148       2-F       6-indazolyl         149       2-F       2-imidazolyl         150       2-F       3-isoxazoyl         151       2-F       3-pyrazolyl         152       2-F       2-thiadiazolyl         153       2-F       2-thiazolyl         154       2-F       5-Ac-4-Me-2-thiazolyl         155       2-F       5-tetrazolyl         156       2-F       2-benzimidazolyl         158       2-F       5-benzimidazolyl         <
135       2-F       2-thienyl         136       2-F       3-thienyl         137       2-F       2-furanyl         138       2-F       3-furanyl         139       2-F       2-pyridyl         140       2-F       3-pyridyl         141       2-F       4-pyridyl         142       2-F       2-indolyl         143       2-F       3-indolyl         144       2-F       5-indolyl         145       2-F       6-indolyl         146       2-F       3-indazolyl         147       2-F       5-indazolyl         148       2-F       6-indazolyl         149       2-F       2-imidazolyl         150       2-F       3-isoxazoyl         151       2-F       3-pyrazolyl         152       2-F       2-thiadiazolyl         153       2-F       2-thiazolyl         154       2-F       5-Ac-4-Me-2-thiazolyl         155       2-F       5-tetrazolyl         156       2-F       2-benzimidazolyl         157       2-F       5-benzimidazolyl         158       2-F       2-benzothiazolyl
136       2-F       3-thienyl         137       2-F       2-furanyl         138       2-F       3-furanyl         139       2-F       2-pyridyl         140       2-F       3-pyridyl         141       2-F       4-pyridyl         142       2-F       2-indolyl         143       2-F       3-indolyl         144       2-F       5-indolyl         145       2-F       3-indazolyl         146       2-F       3-indazolyl         147       2-F       5-indazolyl         148       2-F       6-indazolyl         150       2-F       3-isoxazoyl         151       2-F       3-pyrazolyl         152       2-F       2-thiadiazolyl         153       2-F       2-thiazolyl         154       2-F       5-Ac-4-Me-2-thiazolyl         155       2-F       5-tetrazolyl         156       2-F       2-benzimidazolyl         157       2-F       5-benzimidazolyl         158       2-F       2-benzothiazolyl         159       2-F       5-benzothiazolyl
137       2-F       2-furanyl         138       2-F       3-furanyl         139       2-F       2-pyridyl         140       2-F       3-pyridyl         141       2-F       4-pyridyl         142       2-F       2-indolyl         143       2-F       3-indolyl         144       2-F       5-indolyl         145       2-F       6-indolyl         146       2-F       3-indazolyl         147       2-F       5-indazolyl         148       2-F       6-indazolyl         149       2-F       2-imidazolyl         150       2-F       3-isoxazoyl         151       2-F       3-pyrazolyl         152       2-F       2-thiadiazolyl         153       2-F       2-thiazolyl         154       2-F       5-Ac-4-Me-2-thiazolyl         155       2-F       5-tetrazolyl         156       2-F       2-benzimidazolyl         157       2-F       5-benzimidazolyl         158       2-F       2-benzothiazolyl         159       2-F       5-benzothiazolyl
137       2-F       2-furanyl         138       2-F       3-furanyl         139       2-F       2-pyridyl         140       2-F       3-pyridyl         141       2-F       4-pyridyl         142       2-F       2-indolyl         143       2-F       3-indolyl         144       2-F       5-indolyl         145       2-F       6-indolyl         146       2-F       3-indazolyl         147       2-F       5-indazolyl         148       2-F       6-indazolyl         149       2-F       2-imidazolyl         150       2-F       3-isoxazoyl         151       2-F       3-pyrazolyl         152       2-F       2-thiadiazolyl         153       2-F       2-thiazolyl         154       2-F       5-Ac-4-Me-2-thiazolyl         155       2-F       5-tetrazolyl         156       2-F       2-benzimidazolyl         157       2-F       5-benzimidazolyl         158       2-F       2-benzothiazolyl         159       2-F       5-benzothiazolyl
138       2-F       3-furanyl         139       2-F       2-pyridyl         140       2-F       3-pyridyl         141       2-F       4-pyridyl         142       2-F       2-indolyl         143       2-F       3-indolyl         144       2-F       5-indolyl         145       2-F       6-indolyl         146       2-F       3-indazolyl         147       2-F       5-indazolyl         148       2-F       6-indazolyl         150       2-F       3-isoxazoyl         151       2-F       3-pyrazolyl         152       2-F       2-thiadiazolyl         153       2-F       2-thiazolyl         154       2-F       5-Ac-4-Me-2-thiazolyl         155       2-F       5-tetrazolyl         156       2-F       2-benzimidazolyl         157       2-F       5-benzimidazolyl         158       2-F       2-benzothiazolyl         159       2-F       5-benzothiazolyl
139       2-F       2-pyridyl         140       2-F       3-pyridyl         141       2-F       4-pyridyl         142       2-F       2-indolyl         143       2-F       3-indolyl         144       2-F       5-indolyl         145       2-F       6-indolyl         146       2-F       3-indazolyl         147       2-F       5-indazolyl         148       2-F       6-indazolyl         149       2-F       2-imidazolyl         150       2-F       3-isoxazoyl         151       2-F       3-pyrazolyl         152       2-F       2-thiadiazolyl         153       2-F       2-thiazolyl         154       2-F       5-Ac-4-Me-2-thiazolyl         155       2-F       5-tetrazolyl         156       2-F       2-benzimidazolyl         157       2-F       5-benzimidazolyl         158       2-F       2-benzothiazolyl         159       2-F       5-benzothiazolyl
140       2-F       3-pyridyl         141       2-F       4-pyridyl         142       2-F       2-indolyl         143       2-F       3-indolyl         144       2-F       5-indolyl         145       2-F       6-indolyl         146       2-F       3-indazolyl         147       2-F       5-indazolyl         148       2-F       6-indazolyl         149       2-F       2-imidazolyl         150       2-F       3-isoxazoyl         151       2-F       3-pyrazolyl         152       2-F       2-thiadiazolyl         153       2-F       2-thiazolyl         154       2-F       5-Ac-4-Me-2-thiazolyl         155       2-F       5-tetrazolyl         156       2-F       2-benzimidazolyl         157       2-F       5-benzimidazolyl         158       2-F       2-benzothiazolyl         159       2-F       5-benzothiazolyl
141       2-F       4-pyridyl         142       2-F       2-indolyl         143       2-F       3-indolyl         144       2-F       5-indolyl         145       2-F       6-indolyl         146       2-F       3-indazolyl         147       2-F       5-indazolyl         148       2-F       6-indazolyl         149       2-F       2-imidazolyl         150       2-F       3-isoxazoyl         151       2-F       3-pyrazolyl         152       2-F       2-thiadiazolyl         153       2-F       2-thiazolyl         155       2-F       5-tetrazolyl         155       2-F       2-benzimidazolyl         156       2-F       2-benzimidazolyl         158       2-F       2-benzothiazolyl         159       2-F       5-benzothiazolyl
142       2-F       2-indolyl         143       2-F       3-indolyl         144       2-F       5-indolyl         145       2-F       6-indolyl         146       2-F       3-indazolyl         147       2-F       5-indazolyl         148       2-F       6-indazolyl         149       2-F       2-imidazolyl         150       2-F       3-isoxazoyl         151       2-F       3-pyrazolyl         152       2-F       2-thiadiazolyl         153       2-F       2-thiazolyl         155       2-F       5-tetrazolyl         155       2-F       2-benzimidazolyl         156       2-F       5-benzimidazolyl         158       2-F       2-benzothiazolyl         159       2-F       5-benzothiazolyl
143       2-F       3-indolyl         144       2-F       5-indolyl         145       2-F       6-indolyl         146       2-F       3-indazolyl         147       2-F       5-indazolyl         148       2-F       6-indazolyl         149       2-F       2-imidazolyl         150       2-F       3-isoxazoyl         151       2-F       3-pyrazolyl         152       2-F       2-thiadiazolyl         153       2-F       2-thiazolyl         153       2-F       5-Ac-4-Me-2-thiazolyl         155       2-F       5-tetrazolyl         156       2-F       2-benzimidazolyl         157       2-F       5-benzimidazolyl         158       2-F       2-benzothiazolyl         159       2-F       5-benzothiazolyl
144       2-F       5-indolyl         145       2-F       6-indolyl         146       2-F       3-indazolyl         147       2-F       5-indazolyl         148       2-F       6-indazolyl         149       2-F       2-imidazolyl         150       2-F       3-isoxazoyl         151       2-F       3-pyrazolyl         152       2-F       2-thiadiazolyl         153       2-F       2-thiazolyl         154       2-F       5-Ac-4-Me-2-thiazolyl         155       2-F       2-benzimidazolyl         156       2-F       2-benzimidazolyl         157       2-F       5-benzothiazolyl         158       2-F       2-benzothiazolyl         159       2-F       5-benzothiazolyl
145       2-F       6-indolyl         146       2-F       3-indazolyl         147       2-F       5-indazolyl         148       2-F       6-indazolyl         149       2-F       2-imidazolyl         150       2-F       3-isoxazoyl         151       2-F       3-pyrazolyl         152       2-F       2-thiadiazolyl         153       2-F       2-thiazolyl         154       2-F       5-Ac-4-Me-2-thiazolyl         155       2-F       2-benzimidazolyl         156       2-F       2-benzimidazolyl         158       2-F       2-benzothiazolyl         159       2-F       5-benzothiazolyl
146       2-F       3-indazolyl         147       2-F       5-indazolyl         148       2-F       6-indazolyl         149       2-F       2-imidazolyl         150       2-F       3-isoxazoyl         151       2-F       3-pyrazolyl         152       2-F       2-thiadiazolyl         153       2-F       2-thiazolyl         154       2-F       5-Ac-4-Me-2-thiazolyl         155       2-F       2-benzimidazolyl         157       2-F       5-benzimidazolyl         158       2-F       2-benzothiazolyl         159       2-F       5-benzothiazolyl
147       2-F       5-indazolyl         148       2-F       6-indazolyl         149       2-F       2-imidazolyl         150       2-F       3-isoxazoyl         151       2-F       3-pyrazolyl         152       2-F       2-thiadiazolyl         153       2-F       2-thiazolyl         154       2-F       5-Ac-4-Me-2-thiazolyl         155       2-F       2-benzimidazolyl         157       2-F       5-benzimidazolyl         158       2-F       2-benzothiazolyl         159       2-F       5-benzothiazolyl
148       2-F       6-indazolyl         149       2-F       2-imidazolyl         150       2-F       3-isoxazoyl         151       2-F       3-pyrazolyl         152       2-F       2-thiadiazolyl         153       2-F       2-thiazolyl         154       2-F       5-Ac-4-Me-2-thiazolyl         155       2-F       5-tetrazolyl         156       2-F       2-benzimidazolyl         157       2-F       5-benzimidazolyl         158       2-F       2-benzothiazolyl         159       2-F       5-benzothiazolyl
149       2-F       2-imidazolyl         150       2-F       3-isoxazoyl         151       2-F       3-pyrazolyl         152       2-F       2-thiadiazolyl         153       2-F       2-thiazolyl         154       2-F       5-Ac-4-Me-2-thiazolyl         155       2-F       5-tetrazolyl         156       2-F       2-benzimidazolyl         157       2-F       5-benzimidazolyl         158       2-F       2-benzothiazolyl         159       2-F       5-benzothiazolyl
150       2-F       3-isoxazoyl         151       2-F       3-pyrazolyl         152       2-F       2-thiadiazolyl         153       2-F       2-thiazolyl         154       2-F       5-Ac-4-Me-2-thiazolyl         155       2-F       5-tetrazolyl         156       2-F       2-benzimidazolyl         157       2-F       5-benzimidazolyl         158       2-F       2-benzothiazolyl         159       2-F       5-benzothiazolyl
151     2-F     3-pyrazolyl       152     2-F     2-thiadiazolyl       153     2-F     2-thiazolyl       154     2-F     5-Ac-4-Me-2-thiazolyl       155     2-F     5-tetrazolyl       156     2-F     2-benzimidazolyl       157     2-F     5-benzimidazolyl       158     2-F     2-benzothiazolyl       159     2-F     5-benzothiazolyl
152       2-F       2-thiadiazolyl         153       2-F       2-thiazolyl         154       2-F       5-Ac-4-Me-2-thiazolyl         155       2-F       5-tetrazolyl         156       2-F       2-benzimidazolyl         157       2-F       5-benzimidazolyl         158       2-F       2-benzothiazolyl         159       2-F       5-benzothiazolyl
152       2-F       2-thiadiazolyl         153       2-F       2-thiazolyl         154       2-F       5-Ac-4-Me-2-thiazolyl         155       2-F       5-tetrazolyl         156       2-F       2-benzimidazolyl         157       2-F       5-benzimidazolyl         158       2-F       2-benzothiazolyl         159       2-F       5-benzothiazolyl
153       2-F       2-thiazolyl         154       2-F       5-Ac-4-Me-2-thiazolyl         155       2-F       5-tetrazolyl         156       2-F       2-benzimidazolyl         157       2-F       5-benzimidazolyl         158       2-F       2-benzothiazolyl         159       2-F       5-benzothiazolyl
154     2-F     5-Ac-4-Me-2-thiazolyl       155     2-F     5-tetrazolyl       156     2-F     2-benzimidazolyl       157     2-F     5-benzimidazolyl       158     2-F     2-benzothiazolyl       159     2-F     5-benzothiazolyl
155       2-F       5-tetrazolyl         156       2-F       2-benzimidazolyl         157       2-F       5-benzimidazolyl         158       2-F       2-benzothiazolyl         159       2-F       5-benzothiazolyl
156       2-F       2-benzimidazolyl         157       2-F       5-benzimidazolyl         158       2-F       2-benzothiazolyl         159       2-F       5-benzothiazolyl
1572-F5-benzimidazolyl1582-F2-benzothiazolyl1592-F5-benzothiazolyl
158 2-F 2-benzothiazolyl 159 2-F 5-benzothiazolyl
159 2-F 5-benzothiazolyl
1.00
160 2-F 2-benzoxazolyl
161 2-F 5-benzoxazolyl
162 2-F 1-adamantyl
163 2-F 2-adamantyl
164 2-F i-Pr
165 2-F t-Bu
166 2-F c-Hex
167 2-F CH2CH2OMe
168 2-F CH2CONH2
169 2-F CH2CO2Me
170 2-F CH (CH2Ph) CO2Me
171 2-F CH2CH2NMe2 172 2-F benzy1
1 1/2 1 Z=E 1 OMNVI
173 2-F phenethyl

174	2-F	2-(morpholin-1-yl)-Et
175	3-F	Ph
176	3-F	3-CN-Ph
177	3-F	3-COMe-Ph
178	3-F	3-CO2Me-Ph
179	3-F	3-CONH2-Ph
180	3-F	3-CONHMe-Ph
181	3-F	3-F-Ph
182	3-F	3-C1-Ph
		3-Br-Ph
183	3-F	3-S02NH2-Ph
184	3-F	
185	3-F	3-SO2NHMe-Ph
186	3-F	3-CF3-Ph
187	3-F	3-OMe-Ph
188	3-F	3-SMe-Ph
189	3-F	3-SOMe-Ph
190	3-F	3-S02Me-Ph
191	3-F	3-OH-Ph
192	3-F	3-CH2OH-Ph
193	3-F	3-CHOHMe-Ph
194	3-F	3-COH(Me)2-Ph
195	3-F	3-Me-Ph
196	3-F	3-Et-Ph
197	3-F	3-iPr-Ph
198	3-F	3-tBu-Ph
199	3-F	3-CH2CO2Me-Ph
200	3-F	3-(1-piperidinyl)-Ph
201	3-F	3-(1-pyrrolidinyl)-Ph
202	3-F	3-(2-imidazolyl)-Ph
203	3-F	3-(1-imidazolyl)-Ph
204	3-F	3-(2-thiazolyl)-Ph
205	3-F	3-(3-pyrazolyl)-Ph
206	3-F	3-(1-pyrazolyl)-Ph
207	3-F	3-(5-Me-1-tetrazolyl)-Ph
208	3-F	3-(1-Me-5-tetrazolyl)-Ph
209	3-F	3-(2-pyridyl)-Ph
210	3-F	3-(2-thienyl)-Ph
211	3-F	3-(2-furany1)-Ph
212	3-F	4-CN-Ph
213	3-F	4-COMe-Ph
214	3-F	4-CO2Me-Ph
215	3-F	4-CONH2-Ph
216	3-F	4-CONHMe-Ph
217	3-F	4-CONHPh-Ph
218	3-F	4-F-Ph
219	3-F	4-Cl-Ph
220	3-F	4-Br-Ph
221	3-F	4-SO2NH2-Ph
222	3-F	4-SO2NHMe-Ph
223	3-F	4-CF3-Ph
224	3-F	4-OMe-Ph
225	3-F	4-SMe-Ph
226	3-F	4-SOMe-Ph
227	3-F	4-SO2Me-Ph
228	3-F	4-OH-Ph

		4 0100-1
229	3-F	4-CH2OH-Ph
230	3-F	4-CHOHMe-Ph
231	3-F	4-COH (Me) 2-Ph
232	3-F	4-Me-Ph
233	3-F	4-Et-Ph
234	3-F	4-iPr-Ph
235	3-F	4-tBu-Ph
236	3-F	4-CH2CO2Me-Ph
237	3-F	4-(1-piperidinyl)-Ph
238	3-F	4-(1-pyrrolidinyl)-Ph
239	3-F	4-(2-imidazolyl)-Ph
240	3-F	4-(1-imidazolyl)-Ph
241	3-F	4-(2-thiazolyl)-Ph
242	3-F	4-(3-pyrazolyl)-Ph
243	3-F	4-(1-pyrazolyl)-Ph
244	3-F	4-(5-Me-1-tetrazoly1)-Ph
245	3-F	4-(1-Me-5-tetrazolyl)-Ph
246	3-F	4-(2-pyridy1)-Ph
247	3-F	4-(2-thienyl)-Ph
248	3-F	4-(2-furany1)-Ph
249	3-F	2-CN-Ph
250	3-F	2-COMe-Ph
251	3-F	2-COME-Ph
252	3-F	2-CO2ME-F11 2-CONH2-Ph
253	3-F	2-CONHZ-FII 2-CONHMe-Ph
254	3-F	2-F-Ph
255	3-F	2-C1-Ph
256	3-F	2-Br-Ph
257	3-F	2-SO2NH2-Ph
258	3-F	2-SO2NHMe-Ph
259	3-F	2-CF3-Ph
260	3-F	2-OMe-Ph
261	3-F	2-SMe-Ph
262	3-F	2-SOMe-Ph
263	3-F	2-SO2Me-Ph
264	3-F	2-OH-Ph
265	3-F	2-CH2OH-Ph
266	3-F	2-CHOHMe-Ph
267	3-F	2-COH(Me)2-Ph
268	3-F	2-Me-Ph
269	3-F	2-Et-Ph
270	3-F	2-iPr-Ph
271	3-F	2-tBu-Ph
272	3-F	2-CH2CO2Me-Ph
273	3-F	2-(1-piperidiny1)-Ph
274	3-F	2-(1-pyrrolidinyl)-Ph
275	3-F	2-(2-imidazolyl)-Ph
276	3-F	2-(1-imidazolyl)-Ph
277	3-F	2-(2-thiazolyl)-Ph
278	3-F	2-(3-pyrazolyl)-Ph
279	3-F	2-(1-pyrazolyl)-Ph
280	3-F	2-(5-Me-1-tetrazolyl)-Ph
281	3-F	2-(1-Me-5-tetrazolyl)-Ph
282	3-F	2-(2-pyridyl)-Ph
283	3-F	2-(2-thienyl)-Ph
	<del>ر </del>	

284	3-F	2-(2-furanyl)-Ph
285	3-F	2,4-diF-Ph
286	3-F	2,5-diF-Ph
287	3-F	2,6-diF-Ph
288	3-F	3,4-diF-Ph
289	3-F	3,5-diF-Ph
290	3-F	2,4-diCl-Ph
291	3-F	2,5-diCl-Ph
292	3-F	2,6-diCl-Ph
293	3-F	3,4-diCl-Ph
294	3-F	3,5-diCl-Ph
295	3-F	3,4-diCF3-Ph
296	3-F	3,5-diCF3-Ph
297	3-F	5-C1-2-MeO-Ph
298	3-F	5-Cl-2-Me-Ph
299	3-F	2-F-5-Me-Ph
300	3-F	3-F-5-morpholino-Ph
301	3-F	3,4-OCH2O-Ph
302	3-F	3,4-OCH2CH2O-Ph
303	3-F	2-MeO-5-CONH2-Ph
304	3-F	2-MeO-4-(1-Me-5-tetrazolyl)-Ph
305	3-F	2-MeO-5-(1-Me-5-tetrazoly1)-Ph
306	3-F	3-CONH2-5-(1-Me-5-tetrazoly1)-Ph
307	3-F	1-naphthyl
308	3-F	2-naphthyl
309	3-F	2-thienyl
310	3-F	3-thienyl
311	3-F	2-furanyl
312	3-F	3-furanyl
313	3-F	2-pyridyl
314	3-F	3-pyridyl
315	3-F	4-pyridyl
316	3-F	2-indolyl
317	3-F	3-indolyl
318	3-F	5-indolyl
319	3-F	6-indolyl
320	3-F	3-indazolyl
321	3-F	5-indazolyl
322	3-F	6-indazolyl
323	3-F	2-imidazolyl
324	3-F	3-isoxazoyl
325	3-F	3-pyrazolyl
326	3-F	2-thiadiazolyl
327	3-F	2-thiazolyl
327	3-F	5-Ac-4-Me-2-thiazolyl
329	3-F	5-tetrazolyl
330	3-F	2-benzimidazolyl
331	3-F	z-penzimidazolyi 5-benzimidazolyi
331	3-F	
	3-F	2-benzothiazolyl
333		5-benzothiazolyl
334	3-F	2-benzoxazolyl
335	3-F	5-benzoxazolyl
336	3-F	1-adamantyl
337	3-F	2-adamantyl
338	3-F	i-Pr

339			
341 3-F CH2CH2OME 342 3-F CH2CONH2 343 3-F CH2COZME 344 3-F CH2COZME 344 3-F CH2CH2Me2 346 3-F CH2CH2Me2 346 3-F Denzyl 347 3-F Denzyl 348 3-F P Denzyl 349 4-F Ph 350 4-F 3-CN-Ph 351 4-F 3-COME-Ph 352 4-F 3-COME-Ph 353 4-F 3-COMH2-Ph 354 4-F 3-COMH2-Ph 355 4-F 3-F-Ph 356 4-F 3-CI-Ph 357 4-F 3-Br-Ph 358 4-F 3-SOZNH2-Ph 359 4-F 3-SOZNH2-Ph 360 4-F 3-SOZNH2-Ph 361 4-F 3-SOZNH2-Ph 362 4-F 3-SOZNH2-Ph 363 4-F 3-SOZNH2-Ph 363 4-F 3-SOZNH2-Ph 364 4-F 3-SOZNH2-Ph 365 4-F 3-SOZNH2-Ph 367 4-F 3-Br-Ph 368 4-F 3-SOZNH2-Ph 369 4-F 3-SOZNH2-Ph 369 4-F 3-SOZNH2-Ph 369 4-F 3-SOZNH2-Ph 370 4-F 3-SDZNH2-Ph 371 4-F 3-CH2CH-Ph 371 4-F 3-CH2CH-Ph 371 4-F 3-CH2CH-Ph 371 4-F 3-EP-Ph 372 4-F 3-EP-Ph 373 4-F 3-CH2CH-Ph 374 4-F 3-CH2COZME-Ph 375 4-F 3-CH2COZME-Ph 377 4-F 3-EP-Ph 377 4-F 3-EP-Ph 378 4-F 3-CH2COZME-Ph 379 4-F 3-CH2COZME-Ph 379 4-F 3-CH2COZME-Ph 370 4-F 3-CH2COZME-Ph 371 4-F 3-CH2COZME-Ph 372 4-F 3-CH2COZME-Ph 373 4-F 3-CL-Imidazolyl)-Ph 374 4-F 3-CL-Imidazolyl)-Ph 375 4-F 3-CL-Imidazolyl)-Ph 376 4-F 3-CL-Imidazolyl)-Ph 377 4-F 3-CL-Imidazolyl)-Ph 378 4-F 3-CL-Imidazolyl)-Ph 380 4-F 3-CL-Imidazolyl)-Ph 381 4-F 3-C-Imidazolyl)-Ph 382 4-F 3-CL-Imidazolyl)-Ph 383 4-F 3-CL-Imidazolyl)-Ph 384 4-F 3-CL-Imidazolyl)-Ph 385 4-F 3-CL-Imidazolyl)-Ph 386 4-F 3-CL-Imidazolyl)-Ph 387 4-F 3-CL-Imidazolyl)-Ph 388 4-F 3-CL-Imidazolyl)-Ph 389 4-F 3-CL-Imidazolyl)-Ph 380 4-F 3-CL-Imidazolyl)-Ph 380 4-F 3-CL-Imidazolyl)-Ph 381 4-F 3-CL-Imidazolyl)-Ph 382 4-F 3-CL-Imidazolyl)-Ph 383 4-F 3-CL-Imidazolyl)-Ph 384 4-F 3-CL-Imidazolyl)-Ph 385 4-F 3-CL-Imidazolyl)-Ph 386 4-F 3-CL-Imidazolyl)-Ph 387 4-F 3-CL-Imidazolyl)-Ph 389 4-F 3-CL-Imidazolyl)-Ph 380 4-F 3-CL-Imidazolyl)-Ph 380 4-F 3-CL-Imidazolyl)-Ph 381 4-F 3-CL-Imidazolyl)-Ph 382 4-F 3-CL-Imidazolyl)-Ph 384 4-F 3-CL-Imidazolyl)-Ph 385 4-F 3-CL-Imidazolyl)-Ph 386 4-F 3-CL-Imidazolyl)-Ph 387 4-F 3-CL-Imidazolyl)-Ph	339		t-Bu
342 3-F CH2COME 344 3-F CH2COZME 344 3-F CH(CH2Ph)COZME 345 3-F CH(CH2Ph)COZME 345 3-F Denzyl 346 3-F Denzyl 347 3-F Denzyl 348 3-F Denzyl 348 3-F Denzyl 348 3-F Denzyl 349 4-F Ph 350 4-F S-CM-Ph 351 4-F 3-CM-Ph 351 4-F 3-COME-Ph 352 4-F 3-COME-Ph 353 4-F 3-COMH2-Ph 354 4-F 3-COMH2-Ph 355 4-F 3-F-Ph 356 4-F 3-F-Ph 357 4-F 3-Br-Ph 358 4-F 3-SOZNH2-Ph 360 4-F 3-SOZNHM2-Ph 361 4-F 3-SOZNHM2-Ph 362 4-F 3-SOZNHM2-Ph 363 4-F 3-SOZNHM2-Ph 364 4-F 3-SOZNHM2-Ph 365 4-F 3-SOZNHM2-Ph 366 4-F 3-SOZNHM2-Ph 367 4-F 3-SOZNHM2-Ph 368 4-F 3-SOZNHM2-Ph 369 4-F 3-SOZNHM2-Ph 360 4-F 3-SOZNH2-Ph 361 4-F 3-SOZNH2-Ph 362 4-F 3-SOZNH2-Ph 363 4-F 3-SOZNH2-Ph 364 4-F 3-SOZNH2-Ph 365 4-F 3-SOZNH2-Ph 366 4-F 3-CHOHM2-Ph 367 4-F 3-CHOHM2-Ph 368 4-F 3-CHOHM2-Ph 370 4-F 3-CHOHM2-Ph 371 4-F 3-CHOHM2-Ph 371 4-F 3-CH2OD-Ph 372 4-F 3-CH2OD-Ph 373 4-F 3-CH2OD-Ph 374 4-F 3-CH2OD-Ph 375 4-F 3-CH2OD-Ph 377 4-F 3-CH2OD-Ph 378 4-F 3-CH2OD-Ph 379 4-F 3-CH2ODM2-Ph 380 4-F 3-CH2ODM2-Ph 381 4-F 3-CHACODM2-Ph 382 4-F 3-CPHIDION-Ph 383 4-F 3-CPHIDION-Ph 384 4-F 3-CPHIDION-Ph 385 4-F 3-CPHIDION-Ph 386 4-F 3-CPHIDION-Ph 387 4-F 3-CPHIDION-Ph 388 4-F 3-CPHIDION-Ph 389 4-F 4-COMPH-Ph			c-Hex_
343 3-F CH2CO2Me 344 3-F CH(CH2Ph)CO2Me 345 3-F CH2CH2NMe2 346 3-F benzyl 347 3-F benzyl 348 3-F 2-(morpholin-1-yl)-Et 349 4-F Ph 350 4-F 3-CN-Ph 351 4-F 3-COM-Ph 352 4-F 3-COM-Ph 353 4-F 3-COMHMe-Ph 354 4-F 3-CONH2-Ph 355 4-F 3-CONH2-Ph 355 4-F 3-CONHMe-Ph 356 4-F 3-CI-Ph 357 4-F 3-SO2NH2-Ph 358 4-F 3-SO2NH2-Ph 360 4-F 3-SO2NH2-Ph 361 4-F 3-SO2NH2-Ph 362 4-F 3-SO2NH2-Ph 363 4-F 3-SOM-Ph 363 4-F 3-SOM-Ph 364 4-F 3-SOM-Ph 365 4-F 3-SOM-Ph 367 4-F 3-SOM-Ph 368 4-F 3-SOM-Ph 369 4-F 3-SOM-Ph 360 4-F 3-SOM-Ph 361 4-F 3-SOM-Ph 362 4-F 3-SOM-Ph 363 4-F 3-SOM-Ph 364 4-F 3-SOM-Ph 365 4-F 3-CHOHM-Ph 366 4-F 3-CHOHM-Ph 367 4-F 3-CHOHM-Ph 368 4-F 3-CHOHM-Ph 369 4-F 3-ME-Ph 370 4-F 3-Et-Ph 371 4-F 3-Et-Ph 372 4-F 3-(1-piperidinyl)-Ph 373 4-F 3-(1-piperidinyl)-Ph 374 4-F 3-(1-piperidinyl)-Ph 375 4-F 3-(1-piperidinyl)-Ph 376 4-F 3-(1-piperidinyl)-Ph 377 4-F 3-(1-piperidinyl)-Ph 378 4-F 3-(2-imidazolyl)-Ph 379 4-F 3-(2-imidazolyl)-Ph 379 4-F 3-(3-pyrazolyl)-Ph 380 4-F 3-(3-pyrazolyl)-Ph 381 4-F 3-(2-pyridyl)-Ph 382 4-F 3-(2-pyridyl)-Ph 383 4-F 3-(2-pyridyl)-Ph 384 4-F 3-(2-pyridyl)-Ph 385 4-F 3-(2-pyridyl)-Ph 386 4-F 4-COM-Ph 387 4-F 4-COM-Ph 388 4-F 4-COM-Ph 389 4-F 4-COM-Ph 389 4-F 4-COM-Ph 389 4-F 4-COM-Ph 389 4-F 4-COM-Ph 389 4-F 4-COM-Ph 389 4-F 4-COM-Ph			CH2CH2OMe
344 3-F CH(CH2Ph)CO2Me  345 3-F CH2CH2NMe2  346 3-F benzyl  347 3-F phenethyl  348 3-F 2-(morpholin-1-yl)-Et  349 4-F Ph  350 4-F 3-CN-Ph  351 4-F 3-COME-Ph  352 4-F 3-COME-Ph  353 4-F 3-CONH2-Ph  354 4-F 3-CONH2-Ph  355 4-F 3-C1-Ph  356 4-F 3-C1-Ph  357 4-F 3-B-Ph  358 4-F 3-SO2NH2-Ph  360 4-F 3-SO2NH2-Ph  361 4-F 3-SO2NH2-Ph  362 4-F 3-SO2NH2-Ph  363 4-F 3-SO2NH2-Ph  364 4-F 3-SO2NH2-Ph  365 4-F 3-CH2Ph  366 4-F 3-CH2Ph  367 4-F 3-SOME-Ph  368 4-F 3-CH2Ph  369 4-F 3-CH2Ph  370 4-F 3-CH2Ph  371 4-F 3-CH2Ph  371 4-F 3-CH2Ph  372 4-F 3-CH2Ph  373 4-F 3-CH2Ph  374 4-F 3-CH2Ph  375 4-F 3-CH2Ph  376 4-F 3-CH2Ph  377 4-F 3-CH2Ph  378 4-F 3-CH2Ph  379 4-F 3-CH2Ph  371 4-F 3-EL-Ph  373 4-F 3-CH2CO2ME-Ph  374 4-F 3-(1-piperidinyl)-Ph  375 4-F 3-(1-pireridinyl)-Ph  376 4-F 3-(1-pireridinyl)-Ph  377 4-F 3-(1-pireridinyl)-Ph  378 4-F 3-(2-imidazolyl)-Ph  379 4-F 3-(1-pireridinyl)-Ph  380 4-F 3-(2-imidazolyl)-Ph  381 4-F 3-(2-imidazolyl)-Ph  382 4-F 3-(2-imidazolyl)-Ph  383 4-F 3-(2-imidazolyl)-Ph  384 4-F 3-(2-imidazolyl)-Ph  385 4-F 3-(2-imidazolyl)-Ph  386 4-F 3-(2-imidazolyl)-Ph  387 4-F 3-(1-pireridinyl)-Ph  388 4-F 3-(2-imidazolyl)-Ph  389 4-F 3-(2-imindazolyl)-Ph  380 4-F 3-(2-imidazolyl)-Ph  381 4-F 3-(2-imidazolyl)-Ph  382 4-F 3-(2-imidazolyl)-Ph  383 4-F 3-(2-imidazolyl)-Ph  384 4-F 3-(2-imidazolyl)-Ph  385 4-F 3-(2-imidazolyl)-Ph  386 4-F 3-(2-imidazolyl)-Ph  387 4-F 3-(1-pireridinyl)-Ph  388 4-F 3-(2-imidazolyl)-Ph  389 4-F 3-(2-imidazolyl)-Ph  380 4-F 3-(2-imidazolyl)-Ph  381 4-F 3-(2-imidazolyl)-Ph  382 4-F 3-(2-imidazolyl)-Ph  383 4-F 3-(2-imidazolyl)-Ph		3-F	CH2CONH2
345 3-F benzyl 347 3-F phenethyl 348 3-F phenethyl 349 4-F Ph 350 4-F 3-CN-Ph 351 4-F 3-COME-Ph 352 4-F 3-COME-Ph 353 4-F 3-CONHE-Ph 355 4-F 3-CONHE-Ph 356 4-F 3-F-Ph 357 4-F 3-SOZNHE-Ph 358 4-F 3-SOZNHME-Ph 359 4-F 3-SOZNHME-Ph 360 4-F 3-SOZNHME-Ph 361 4-F 3-SOZNHME-Ph 362 4-F 3-SOZNHME-Ph 363 4-F 3-SOZNHME-Ph 364 4-F 3-SOZNHME-Ph 365 4-F 3-SOZNHME-Ph 366 4-F 3-SOZNHME-Ph 367 4-F 3-SOZNHE-Ph 368 4-F 3-SOZNHME-Ph 369 4-F 3-SOZNHE-Ph 370 4-F 3-SH-Ph 371 4-F 3-CH2OH-Ph 372 4-F 3-SOZNHME-Ph 373 3-SOZNHME-Ph 374 3-SOZME-Ph 375 4-F 3-CH2OH-Ph 376 4-F 3-CH2OH-Ph 377 4-F 3-CH2OH-Ph 378 4-F 3-CH2OH-Ph 379 4-F 3-EL-Ph 370 4-F 3-EL-Ph 371 4-F 3-IP-Ph 372 4-F 3-IP-Ph 373 4-F 3-(1-piperidinyl)-Ph 374 4-F 3-(1-piperidinyl)-Ph 375 4-F 3-(1-piperidinyl)-Ph 376 4-F 3-(2-imidazolyl)-Ph 377 4-F 3-(1-piperidinyl)-Ph 378 4-F 3-(2-thiazolyl)-Ph 379 4-F 3-(2-thiazolyl)-Ph 379 4-F 3-(2-thiazolyl)-Ph 379 4-F 3-(2-thiazolyl)-Ph 380 4-F 3-(2-thiazolyl)-Ph 381 4-F 3-(2-thiazolyl)-Ph 382 4-F 3-(2-thiazolyl)-Ph 383 4-F 3-(2-thiazolyl)-Ph 384 4-F 3-(2-thiazolyl)-Ph 385 4-F 3-(2-thiazolyl)-Ph 386 4-F 3-(2-thiazolyl)-Ph 387 4-F 3-(2-thiazolyl)-Ph 388 4-F 3-(2-thiazolyl)-Ph 389 4-F 4-COM-Ph 389 4-F 4-COM-Ph 389 4-F 4-COM-Ph 389 4-F 4-COM-Ph 390 4-F 4-COM-Ph 391 4-F 4-COM-Ph 392 4-F 4-COM-Ph	343	3-F	CH2CO2Me
345 3-F	344	3-F	CH(CH2Ph)CO2Me
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367 4-F 3-CHOHMe-Ph 368 4-F 3-COH (Me) 2-Ph 369 4-F 3-Me-Ph 370 4-F 3-Et-Ph 371 4-F 3-iPr-Ph 372 4-F 3-tBu-Ph 373 4-F 3-CH2CO2Me-Ph 374 4-F 3-(1-piperidinyl)-Ph 375 4-F 3-(2-imidazolyl)-Ph 376 4-F 3-(1-imidazolyl)-Ph 377 4-F 3-(1-imidazolyl)-Ph 378 4-F 3-(2-thiazolyl)-Ph 379 4-F 3-(3-pyrazolyl)-Ph 380 4-F 3-(1-pyrazolyl)-Ph 381 4-F 3-(5-Me-1-tetrazolyl)-Ph 382 4-F 3-(2-thienyl)-Ph 383 4-F 3-(2-thienyl)-Ph 384 4-F 3-(2-thienyl)-Ph 385 4-F 3-(2-thienyl)-Ph 386 4-F 4-CN-Ph 387 4-F 4-COME-Ph 388 4-F 4-CONHPh-Ph 390 4-F 4-CONHPh-Ph 391 4-F 4-CONHPh-Ph 392 4-F 4-F-Ph			
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370  4-F  3-Et-Ph 371  4-F  3-iPr-Ph 372  4-F  3-tBu-Ph 373  4-F  3-(1-piperidiny1)-Ph 375  4-F  3-(1-pyrrolidiny1)-Ph 376  4-F  3-(2-imidazoly1)-Ph 377  4-F  3-(1-imidazoly1)-Ph 378  4-F  3-(2-thiazoly1)-Ph 379  4-F  3-(3-pyrazoly1)-Ph 380  4-F  3-(1-pyrazoly1)-Ph 381  4-F  3-(5-Me-1-tetrazoly1)-Ph 382  4-F  3-(1-Me-5-tetrazoly1)-Ph 383  4-F  3-(2-thieny1)-Ph 384  4-F  3-(2-thieny1)-Ph 385  4-F  3-(2-thieny1)-Ph 386  4-F  4-CN-Ph 387  4-F  4-COMe-Ph 389  4-F  4-COMHe-Ph 390  4-F  4-CONHMe-Ph 391  4-F  4-CONHMe-Ph 392  4-F  4-CONHPh-Ph		4-F	3-COH(Me)2-Ph
371  4-F  3-iPr-Ph 372  4-F  3-tBu-Ph 373  4-F  3-(1-piperidiny1)-Ph 374  4-F  3-(1-piperidiny1)-Ph 375  4-F  3-(2-imidazoly1)-Ph 376  4-F  3-(2-imidazoly1)-Ph 377  4-F  3-(2-thiazoly1)-Ph 378  4-F  3-(3-pyrazoly1)-Ph 379  4-F  3-(3-pyrazoly1)-Ph 380  4-F  3-(1-pyrazoly1)-Ph 381  4-F  3-(5-Me-1-tetrazoly1)-Ph 382  4-F  3-(2-pyridy1)-Ph 383  4-F  3-(2-pyridy1)-Ph 384  4-F  3-(2-thieny1)-Ph 385  4-F  3-(2-thieny1)-Ph 386  4-F  4-CN-Ph 387  4-F  4-CN-Ph 388  4-F  4-COMe-Ph 389  4-F  4-COMH2-Ph 390  4-F  4-CONHPh-Ph 391  4-F  4-CONHPh-Ph 392  4-F  4-CONHPh-Ph		4-F	3-Me-Ph
372 4-F 3-tBu-Ph 373 4-F 3-CH2CO2Me-Ph 374 4-F 3-(1-piperidinyl)-Ph 375 4-F 3-(2-imidazolyl)-Ph 376 4-F 3-(2-imidazolyl)-Ph 377 4-F 3-(1-imidazolyl)-Ph 378 4-F 3-(2-thiazolyl)-Ph 379 4-F 3-(3-pyrazolyl)-Ph 380 4-F 3-(1-pyrazolyl)-Ph 381 4-F 3-(5-Me-1-tetrazolyl)-Ph 382 4-F 3-(1-Me-5-tetrazolyl)-Ph 383 4-F 3-(2-pyridyl)-Ph 384 4-F 3-(2-thienyl)-Ph 385 4-F 3-(2-furanyl)-Ph 386 4-F 4-CN-Ph 387 4-F 4-COME-Ph 389 4-F 4-COMHP-Ph 390 4-F 4-CONHP-Ph 391 4-F 4-CONHP-Ph 392 4-F 4-F-Ph	370	4-F	
373 4-F 3-CH2CO2Me-Ph 374 4-F 3-(1-piperidiny1)-Ph 375 4-F 3-(1-pyrrolidiny1)-Ph 376 4-F 3-(2-imidazoly1)-Ph 377 4-F 3-(1-imidazoly1)-Ph 378 4-F 3-(2-thiazoly1)-Ph 379 4-F 3-(3-pyrazoly1)-Ph 380 4-F 3-(1-pyrazoly1)-Ph 381 4-F 3-(5-Me-1-tetrazoly1)-Ph 382 4-F 3-(1-Me-5-tetrazoly1)-Ph 383 4-F 3-(2-pyridy1)-Ph 384 4-F 3-(2-thieny1)-Ph 385 4-F 3-(2-thieny1)-Ph 386 4-F 4-CN-Ph 387 4-F 4-COMe-Ph 388 4-F 4-COMe-Ph 389 4-F 4-CONH2-Ph 390 4-F 4-CONHMe-Ph 391 4-F 4-CONHPh-Ph 392 4-F 4-F-Ph		4-F	3-iPr-Ph
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375  4-F  3-(1-pyrrolidinyl)-Ph 376  4-F  3-(2-imidazolyl)-Ph 377  4-F  3-(1-imidazolyl)-Ph 378  4-F  3-(2-thiazolyl)-Ph 379  4-F  3-(3-pyrazolyl)-Ph 380  4-F  3-(1-pyrazolyl)-Ph 381  4-F  3-(5-Me-1-tetrazolyl)-Ph 382  4-F  3-(1-Me-5-tetrazolyl)-Ph 383  4-F  3-(2-pyridyl)-Ph 384  4-F  3-(2-thienyl)-Ph 385  4-F  3-(2-thienyl)-Ph 386  4-F  4-CN-Ph 387  4-F  4-COMe-Ph 388  4-F  4-COMe-Ph 390  4-F  4-CONH2-Ph 391  4-F  4-CONHPh-Ph 392  4-F  4-CONHPh-Ph	373	4-F	3-CH2CO2Me-Ph
375  4-F  3-(1-pyrrolidinyl)-Ph 376  4-F  3-(2-imidazolyl)-Ph 377  4-F  3-(1-imidazolyl)-Ph 378  4-F  3-(2-thiazolyl)-Ph 379  4-F  3-(3-pyrazolyl)-Ph 380  4-F  3-(1-pyrazolyl)-Ph 381  4-F  3-(5-Me-1-tetrazolyl)-Ph 382  4-F  3-(1-Me-5-tetrazolyl)-Ph 383  4-F  3-(2-pyridyl)-Ph 384  4-F  3-(2-thienyl)-Ph 385  4-F  3-(2-thienyl)-Ph 386  4-F  4-CN-Ph 387  4-F  4-COMe-Ph 388  4-F  4-COMe-Ph 390  4-F  4-CONH2-Ph 391  4-F  4-CONHPh-Ph 392  4-F  4-CONHPh-Ph	374	4-F	3-(1-piperidiny1)-Ph
376  4-F  3-(2-imidazolyl)-Ph 377  4-F  3-(1-imidazolyl)-Ph 378  4-F  3-(2-thiazolyl)-Ph 379  4-F  3-(3-pyrazolyl)-Ph 380  4-F  3-(1-pyrazolyl)-Ph 381  4-F  3-(5-Me-1-tetrazolyl)-Ph 382  4-F  3-(1-Me-5-tetrazolyl)-Ph 383  4-F  3-(2-pyridyl)-Ph 384  4-F  3-(2-thienyl)-Ph 385  4-F  3-(2-thienyl)-Ph 386  4-F  4-CN-Ph 387  4-F  4-COMe-Ph 388  4-F  4-COMe-Ph 390  4-F  4-CONH2-Ph 391  4-F  4-CONHPh-Ph 392  4-F  4-F-Ph	375	4-F	
378  4-F  3-(2-thiazolyl)-Ph 379  4-F  3-(3-pyrazolyl)-Ph 380  4-F  3-(1-pyrazolyl)-Ph 381  4-F  3-(5-Me-1-tetrazolyl)-Ph 382  4-F  3-(1-Me-5-tetrazolyl)-Ph 383  4-F  3-(2-pyridyl)-Ph 384  4-F  3-(2-thienyl)-Ph 385  4-F  3-(2-thienyl)-Ph 386  4-F  4-CN-Ph 387  4-F  4-CN-Ph 388  4-F  4-COMe-Ph 389  4-F  4-COMH2-Ph 390  4-F  4-CONHMe-Ph 391  4-F  4-CONHPh-Ph 392  4-F  4-F-Ph	376	4-F	3-(2-imidazolyl)-Ph
378  4-F  3-(2-thiazolyl)-Ph 379  4-F  3-(3-pyrazolyl)-Ph 380  4-F  3-(1-pyrazolyl)-Ph 381  4-F  3-(5-Me-1-tetrazolyl)-Ph 382  4-F  3-(1-Me-5-tetrazolyl)-Ph 383  4-F  3-(2-pyridyl)-Ph 384  4-F  3-(2-thienyl)-Ph 385  4-F  3-(2-thienyl)-Ph 386  4-F  4-CN-Ph 387  4-F  4-CN-Ph 388  4-F  4-COMe-Ph 389  4-F  4-COMH2-Ph 390  4-F  4-CONHMe-Ph 391  4-F  4-CONHPh-Ph 392  4-F  4-F-Ph	377	4-F	3-(1-imidazolyl)-Ph
379 4-F 3-(3-pyrazolyl)-Ph 380 4-F 3-(1-pyrazolyl)-Ph 381 4-F 3-(5-Me-1-tetrazolyl)-Ph 382 4-F 3-(1-Me-5-tetrazolyl)-Ph 383 4-F 3-(2-pyridyl)-Ph 384 4-F 3-(2-thienyl)-Ph 385 4-F 3-(2-furanyl)-Ph 386 4-F 4-CN-Ph 387 4-F 4-COMe-Ph 388 4-F 4-COMe-Ph 390 4-F 4-CONH2-Ph 391 4-F 4-CONHPh-Ph 392 4-F 4-F-Ph			
380     4-F     3-(1-pyrazoly1)-Ph       381     4-F     3-(5-Me-1-tetrazoly1)-Ph       382     4-F     3-(1-Me-5-tetrazoly1)-Ph       383     4-F     3-(2-pyridy1)-Ph       384     4-F     3-(2-thieny1)-Ph       385     4-F     3-(2-furany1)-Ph       386     4-F     4-CN-Ph       387     4-F     4-COMe-Ph       388     4-F     4-CONH2-Ph       390     4-F     4-CONHMe-Ph       391     4-F     4-CONHPh-Ph       392     4-F     4-F-Ph	379		
381 4-F 3-(5-Me-1-tetrazolyl)-Ph 382 4-F 3-(1-Me-5-tetrazolyl)-Ph 383 4-F 3-(2-pyridyl)-Ph 384 4-F 3-(2-thienyl)-Ph 385 4-F 3-(2-furanyl)-Ph 386 4-F 4-CN-Ph 387 4-F 4-COMe-Ph 388 4-F 4-COMe-Ph 389 4-F 4-CONH2-Ph 390 4-F 4-CONHMe-Ph 391 4-F 4-CONHPh-Ph 392 4-F 4-F-Ph			
382       4-F       .3-(1-Me-5-tetrazolyl)-Ph         383       4-F       3-(2-pyridyl)-Ph         384       4-F       3-(2-thienyl)-Ph         385       4-F       3-(2-furanyl)-Ph         386       4-F       4-CN-Ph         387       4-F       4-COMe-Ph         388       4-F       4-COMe-Ph         389       4-F       4-CONH2-Ph         390       4-F       4-CONHMe-Ph         391       4-F       4-CONHPh-Ph         392       4-F       4-F-Ph			
383 4-F 3-(2-pyridyl)-Ph 384 4-F 3-(2-thienyl)-Ph 385 4-F 3-(2-furanyl)-Ph 386 4-F 4-CN-Ph 387 4-F 4-COMe-Ph 388 4-F 4-COMe-Ph 389 4-F 4-CONH2-Ph 390 4-F 4-CONHMe-Ph 391 4-F 4-CONHPh-Ph 392 4-F 4-F-Ph			
384     4-F     3-(2-thienyl)-Ph       385     4-F     3-(2-furanyl)-Ph       386     4-F     4-CN-Ph       387     4-F     4-COMe-Ph       388     4-F     4-CO2Me-Ph       389     4-F     4-CONH2-Ph       390     4-F     4-CONHMe-Ph       391     4-F     4-CONHPh-Ph       392     4-F     4-F-Ph			
385 4-F 3-(2-furany1)-Ph 386 4-F 4-CN-Ph 387 4-F 4-COMe-Ph 388 4-F 4-CO2Me-Ph 389 4-F 4-CONH2-Ph 390 4-F 4-CONHMe-Ph 391 4-F 4-CONHPh-Ph 392 4-F 4-F-Ph			
386       4-F       4-CN-Ph         387       4-F       4-COMe-Ph         388       4-F       4-CO2Me-Ph         389       4-F       4-CONH2-Ph         390       4-F       4-CONHMe-Ph         391       4-F       4-CONHPh-Ph         392       4-F       4-F-Ph			
387 4-F 4-COMe-Ph 388 4-F 4-CO2Me-Ph 389 4-F 4-CONH2-Ph 390 4-F 4-CONHMe-Ph 391 4-F 4-CONHPh-Ph 392 4-F 4-F-Ph			
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392 4-F 4-F-Ph			
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393   4-F   4-C1-Ph			
	393	4-F	4-C1-Pn

395 4-F 4-SO2NH2-Ph 396 4-F 4-SO2NH2-Ph 397 4-F 4-CF3-Ph 398 4-F 4-CM-Ph 399 4-F 4-SME-Ph 400 4-F 4-SME-Ph 401 4-F 4-SOME-Ph 402 4-F 4-CH2OH-Ph 403 4-F 4-CH2OH-Ph 404 4-F 4-CH2OH-Ph 405 4-F 4-CH(Me)2-Ph 406 4-F 4-EE-Ph 407 4-F 4-EE-Ph 408 4-F 4-EE-Ph 409 4-F 4-EE-Ph 410 4-F 4-CH2OM-Ph 411 4-F 4-CH2OM-Ph 411 4-F 4-CH2COZME-Ph 411 4-F 4-CH2COZME-Ph 411 4-F 4-CH2COZME-Ph 412 4-F 4-CH2COZME-Ph 415 4-F 4-CE-INICAZOIYI)-Ph 416 4-F 4-CE-INICAZOIYI)-Ph 417 4-F 4-CE-INICAZOIYI)-Ph 418 4-F 4-CE-INICAZOIYI)-Ph 419 4-F 4-CE-INICAZOIYI)-Ph 419 4-F 4-CE-INICAZOIYI)-Ph 420 4-F 4-CE-INICAZOIYI)-Ph 421 4-F 4-CE-INICAZOIYI)-Ph 422 4-F 4-CE-INICAZOIYI)-Ph 423 4-F 4-CE-INICAZOIYI)-Ph 424 4-F 4-CE-INICAZOIYI)-Ph 425 4-F 2-COME-Ph 426 4-F 2-COMB-Ph 427 4-F 2-COMB-Ph 428 4-F 2-COMB-Ph 429 4-F 2-COMB-Ph 430 4-F 2-COMB-Ph 431 4-F 2-COMB-Ph 433 4-F 2-CN-Ph 434 4-F 2-COMB-Ph 435 4-F 2-COMB-Ph 437 4-F 2-COMB-Ph 438 4-F 2-COMB-Ph 439 4-F 2-COMB-Ph 430 4-F 2-COMB-Ph 431 4-F 2-COMB-Ph 433 4-F 2-COMB-Ph 434 4-F 2-COMB-Ph 435 4-F 2-COMB-Ph 437 4-F 2-COMB-Ph 438 4-F 2-COMB-Ph 439 4-F 2-CHOHM-Ph 440 4-F 2-CHOHM-Ph 441 4-F 2-CHOHM-Ph 442 4-F 2-CHOHM-Ph 444 4-F 2-CHOHM-Ph 445 4-F 2-CHOHM-Ph 446 4-F 2-CHOHM-Ph 447 4-F 2-CHOHM-Ph 448 4-F 2-CHOHM-Ph 448 4-F 2-CH2OM-Ph 449 4-F 2-CH2OM-Ph	204	4 E	4-Br-Ph
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416 4-F 4-(3-pyrazolyl)-Ph 417 4-F 4-(1-pyrazolyl)-Ph 418 4-F 4-(1-pyrazolyl)-Ph 419 4-F 4-(1-Me-5-tetrazolyl)-Ph 420 4-F 4-(2-pyridyl)-Ph 421 4-F 4-(2-thienyl)-Ph 422 4-F 4-(2-furanyl)-Ph 423 4-F 2-CN-Ph 424 4-F 2-COME-Ph 425 4-F 2-COME-Ph 426 4-F 2-CONHME-Ph 427 4-F 2-CONHME-Ph 429 4-F 2-F-Ph 430 4-F 2-SO2NH2-Ph 431 4-F 2-SO2NH2-Ph 432 4-F 2-SO2NH2-Ph 433 4-F 2-SO2NHME-Ph 434 4-F 2-SO2NHME-Ph 435 4-F 2-SO2NHME-Ph 436 4-F 2-SOME-Ph 437 4-F 2-SOME-Ph 438 4-F 2-SOME-Ph 439 4-F 2-SOME-Ph 439 4-F 2-SOME-Ph 440 4-F 2-SOME-Ph 441 4-F 2-CH2OH-Ph 442 4-F 2-CH2OH-Ph 443 4-F 2-CH2OH-Ph 444 4-F 2-CH2OH-Ph 445 4-F 2-Et-Ph 444 4-F 2-Et-Ph 444 4-F 2-Et-Ph 445 4-F 2-EH2-Ph 446 4-F 2-CH2CO2ME-Ph 447 4-F 2-CH2CO2ME-Ph 447 4-F 2-CH2CO2ME-Ph 447 4-F 2-CH2CO2ME-Ph 447 4-F 2-CH2CO2ME-Ph 447 4-F 2-CH2CO2ME-Ph 447 4-F 2-CH2CO2ME-Ph			
417 4-F 4-(1-pyrazoly1)-Ph 418 4-F 4-(5-Me-1-tetrazoly1)-Ph 419 4-F 4-(1-Me-5-tetrazoly1)-Ph 420 4-F 4-(2-pyridy1)-Ph 421 4-F 4-(2-thieny1)-Ph 422 4-F 4-(2-thieny1)-Ph 423 4-F 2-CN-Ph 424 4-F 2-COME-Ph 425 4-F 2-COME-Ph 426 4-F 2-CONHME-Ph 427 4-F 2-CONHME-Ph 429 4-F 2-SONH2-Ph 430 4-F 2-SONH2-Ph 431 4-F 2-SONH2-Ph 432 4-F 2-SONH2-Ph 433 4-F 2-SONH2-Ph 434 4-F 2-SONH2-Ph 435 4-F 2-SONH2-Ph 436 4-F 2-SONE-Ph 437 4-F 2-SONE-Ph 438 4-F 2-SONE-Ph 439 4-F 2-SONE-Ph 439 4-F 2-SONE-Ph 430 4-F 2-SONE-Ph 431 4-F 2-SONE-Ph 432 4-F 2-SONE-Ph 434 4-F 2-SONE-Ph 435 4-F 2-SONE-Ph 436 4-F 2-SONE-Ph 437 4-F 2-CH2OH-Ph 439 4-F 2-CH2OH-Ph 440 4-F 2-CH2OH-Ph 441 4-F 2-CHOHME-Ph 441 4-F 2-CH2OH-Ph 442 4-F 2-Et-Ph 444 4-F 2-Et-Ph 445 4-F 2-CH2COZME-Ph 446 4-F 2-CH2COZME-Ph 447 4-F 2-CH2COZME-Ph 447 4-F 2-CH2COZME-Ph 447 4-F 2-CH2COZME-Ph			
418       4-F       4-(5-Me-1-tetrazoly1)-Ph         419       4-F       4-(1-Me-5-tetrazoly1)-Ph         420       4-F       4-(2-pyridy1)-Ph         421       4-F       4-(2-thieny1)-Ph         422       4-F       4-(2-furany1)-Ph         423       4-F       2-CN-Ph         424       4-F       2-COMe-Ph         425       4-F       2-COMH-Ph         426       4-F       2-CONHM-Ph         427       4-F       2-CONHM-Ph         428       4-F       2-F-Ph         429       4-F       2-SO2NH2-Ph         430       4-F       2-SO2NH2-Ph         431       4-F       2-SO2NHM-Ph         433       4-F       2-SO2NHM-Ph         433       4-F       2-SM-Ph         434       4-F       2-SM-Ph         435       4-F       2-SM-Ph         436       4-F       2-SO2M-Ph         437       4-F       2-SO2M-Ph         438       4-F       2-CH2OH-Ph         440       4-F       2-CH2OH-Ph         441       4-F       2-CH2OH-Ph         442       4-F       2-Et-Ph			
419       4-F       4-(1-Me-5-tetrazoly1)-Ph         420       4-F       4-(2-pyridy1)-Ph         421       4-F       4-(2-thieny1)-Ph         422       4-F       4-(2-furany1)-Ph         423       4-F       2-CN-Ph         424       4-F       2-COME-Ph         425       4-F       2-COME-Ph         426       4-F       2-CONH2-Ph         427       4-F       2-CONHM-Ph         428       4-F       2-F-Ph         429       4-F       2-SO2NH2-Ph         430       4-F       2-SO2NH2-Ph         431       4-F       2-SO2NHB-Ph         433       4-F       2-SO2NHB-Ph         433       4-F       2-OM-Ph         434       4-F       2-SM-Ph         435       4-F       2-SM-Ph         436       4-F       2-SO2M-Ph         437       4-F       2-SO2M-Ph         438       4-F       2-OH-Ph         440       4-F       2-CH2OH-Ph         441       4-F       2-CH0HM-Ph         442       4-F       2-Et-Ph         443       4-F       2-Et-Ph         444       <			
420       4-F       4-(2-pyridyl)-Ph         421       4-F       4-(2-thienyl)-Ph         422       4-F       4-(2-furanyl)-Ph         423       4-F       2-CN-Ph         424       4-F       2-COMe-Ph         425       4-F       2-CONH2-Ph         426       4-F       2-CONH2-Ph         427       4-F       2-CONHM-Ph         428       4-F       2-F-Ph         429       4-F       2-SO2NH2-Ph         431       4-F       2-SO2NH2-Ph         432       4-F       2-SO2NHM-Ph         433       4-F       2-SO2NH-Ph         434       4-F       2-SM-Ph         435       4-F       2-SOM-Ph         437       4-F       2-SOM-Ph         438       4-F       2-OH-Ph         439       4-F       2-CH2OH-Ph         440       4-F       2-CHOHM-Ph         441       4-F       2-CHOHM-Ph         442       4-F       2-ET-Ph         443       4-F       2-ET-Ph         444       4-F       2-ET-Ph         445       4-F       2-ET-Ph         446       4-F			
421       4-F       4-(2-thienyl)-Ph         422       4-F       4-(2-furanyl)-Ph         423       4-F       2-CN-Ph         424       4-F       2-COMe-Ph         425       4-F       2-CONH2-Ph         426       4-F       2-CONHM-Ph         427       4-F       2-CONHM-Ph         428       4-F       2-F-Ph         429       4-F       2-Br-Ph         430       4-F       2-SO2NH2-Ph         431       4-F       2-SO2NHM-Ph         433       4-F       2-SO2NHM-Ph         434       4-F       2-SM-Ph         435       4-F       2-SM-Ph         436       4-F       2-SOM-Ph         437       4-F       2-SO2M-Ph         438       4-F       2-OH-Ph         439       4-F       2-CHOHM-Ph         440       4-F       2-CHOHM-Ph         441       4-F       2-CHOHM-Ph         442       4-F       2-M-Ph         443       4-F       2-Et-Ph         444       4-F       2-Et-Ph         445       4-F       2-Et-Ph         446       4-F       2-CH2C			
422       4-F       4-(2-furany1)-Ph         423       4-F       2-CN-Ph         424       4-F       2-COMe-Ph         425       4-F       2-CONH2-Ph         426       4-F       2-CONHMe-Ph         427       4-F       2-CONHMe-Ph         428       4-F       2-F-Ph         429       4-F       2-SC1-Ph         430       4-F       2-Br-Ph         431       4-F       2-SO2NH2-Ph         432       4-F       2-SO2NHMe-Ph         433       4-F       2-OMe-Ph         434       4-F       2-SMe-Ph         435       4-F       2-SMe-Ph         436       4-F       2-SOMe-Ph         437       4-F       2-SO2Me-Ph         438       4-F       2-CH2OH-Ph         439       4-F       2-CH2OH-Ph         441       4-F       2-CHOHMe-Ph         442       4-F       2-Me-Ph         443       4-F       2-Et-Ph         444       4-F       2-Et-Ph         445       4-F       2-Et-Ph         446       4-F       2-CH2CO2Me-Ph         446       4-F       2-			
423       4-F       2-CN-Ph         424       4-F       2-COMe-Ph         425       4-F       2-COMe-Ph         426       4-F       2-CONH2-Ph         427       4-F       2-CONHMe-Ph         428       4-F       2-F-Ph         429       4-F       2-Br-Ph         430       4-F       2-SO2NH2-Ph         431       4-F       2-SO2NHMe-Ph         432       4-F       2-SO2NHMe-Ph         433       4-F       2-OMe-Ph         434       4-F       2-SMe-Ph         435       4-F       2-SOMe-Ph         436       4-F       2-SOMe-Ph         437       4-F       2-CH2OH-Ph         438       4-F       2-CH2OH-Ph         439       4-F       2-CHOHMe-Ph         440       4-F       2-CHOHMe-Ph         441       4-F       2-Et-Ph         442       4-F       2-Et-Ph         443       4-F       2-Et-Ph         444       4-F       2-iPr-Ph         445       4-F       2-iPr-Ph         445       4-F       2-iPr-Ph         446       4-F       2-CH2CO2Me			
424       4-F       2-COMe-Ph         425       4-F       2-CO2Me-Ph         426       4-F       2-CONH2-Ph         427       4-F       2-CONHMe-Ph         428       4-F       2-F-Ph         429       4-F       2-Br-Ph         430       4-F       2-SO2NH2-Ph         431       4-F       2-SO2NH2-Ph         432       4-F       2-SO2NHMe-Ph         433       4-F       2-OMe-Ph         434       4-F       2-SMe-Ph         435       4-F       2-SOMe-Ph         436       4-F       2-SO2Me-Ph         437       4-F       2-OH-Ph         438       4-F       2-OH-Ph         439       4-F       2-CH2OH-Ph         440       4-F       2-CH2OH-Ph         441       4-F       2-CH-Ph         442       4-F       2-Me-Ph         443       4-F       2-Et-Ph         444       4-F       2-iPr-Ph         445       4-F       2-iPr-Ph         445       4-F       2-iPr-Ph         446       4-F       2-CH2CO2Me-Ph         447       4-F       2-(1-piperi			
425       4-F       2-CO2Me-Ph         426       4-F       2-CONH2-Ph         427       4-F       2-CONHMe-Ph         428       4-F       2-F-Ph         429       4-F       2-Br-Ph         430       4-F       2-Br-Ph         431       4-F       2-SO2NH2-Ph         432       4-F       2-SO2NHMe-Ph         433       4-F       2-CF3-Ph         434       4-F       2-OMe-Ph         435       4-F       2-SMe-Ph         436       4-F       2-SOMe-Ph         437       4-F       2-SO2Me-Ph         438       4-F       2-OH-Ph         439       4-F       2-CH2OH-Ph         440       4-F       2-CH2OH-Ph         441       4-F       2-CH2OH-Ph         442       4-F       2-Me-Ph         443       4-F       2-Et-Ph         444       4-F       2-iPr-Ph         445       4-F       2-iPr-Ph         445       4-F       2-tBu-Ph         446       4-F       2-CH2CO2Me-Ph         447       4-F       2-(1-piperidinyl)-Ph			
426       4-F       2-CONH2-Ph         427       4-F       2-CONHMe-Ph         428       4-F       2-F-Ph         429       4-F       2-C1-Ph         430       4-F       2-SO2NH2-Ph         431       4-F       2-SO2NHMe-Ph         432       4-F       2-SO2NHMe-Ph         433       4-F       2-CF3-Ph         434       4-F       2-OMe-Ph         435       4-F       2-SOMe-Ph         436       4-F       2-SO2Me-Ph         437       4-F       2-OH-Ph         438       4-F       2-CH2OH-Ph         439       4-F       2-CH2OH-Ph         440       4-F       2-CHOHMe-Ph         441       4-F       2-Me-Ph         442       4-F       2-Me-Ph         443       4-F       2-Et-Ph         444       4-F       2-iPr-Ph         445       4-F       2-tBu-Ph         446       4-F       2-CH2CO2Me-Ph         447       4-F       2-(1-piperidinyl)-Ph			
427       4-F       2-CONHMe-Ph         428       4-F       2-F-Ph         429       4-F       2-Br-Ph         430       4-F       2-Br-Ph         431       4-F       2-SO2NH2-Ph         432       4-F       2-SO2NHMe-Ph         433       4-F       2-CF3-Ph         434       4-F       2-SMe-Ph         435       4-F       2-SMe-Ph         436       4-F       2-SO2Me-Ph         437       4-F       2-SO2Me-Ph         438       4-F       2-OH-Ph         439       4-F       2-CH2OH-Ph         440       4-F       2-CHOHMe-Ph         441       4-F       2-CHOHMe-Ph         442       4-F       2-Me-Ph         443       4-F       2-Et-Ph         444       4-F       2-iPr-Ph         445       4-F       2-tBu-Ph         446       4-F       2-CH2CO2Me-Ph         447       4-F       2-(1-piperidinyl)-Ph		<del></del>	
428       4-F       2-F-Ph         429       4-F       2-C1-Ph         430       4-F       2-Br-Ph         431       4-F       2-SO2NH2-Ph         432       4-F       2-SO2NHMe-Ph         433       4-F       2-CF3-Ph         434       4-F       2-OMe-Ph         435       4-F       2-SMe-Ph         436       4-F       2-SO2Me-Ph         437       4-F       2-SO2Me-Ph         438       4-F       2-OH-Ph         439       4-F       2-CH2OH-Ph         440       4-F       2-CH2OHMe-Ph         441       4-F       2-CH-Ph         442       4-F       2-Me-Ph         443       4-F       2-Et-Ph         444       4-F       2-iPr-Ph         445       4-F       2-tBu-Ph         446       4-F       2-CH2CO2Me-Ph         447       4-F       2-(1-piperidinyl)-Ph			
429       4-F       2-C1-Ph         430       4-F       2-Br-Ph         431       4-F       2-SO2NH2-Ph         432       4-F       2-SO2NHMe-Ph         433       4-F       2-CF3-Ph         434       4-F       2-OMe-Ph         435       4-F       2-SMe-Ph         436       4-F       2-SO2Me-Ph         437       4-F       2-OH-Ph         438       4-F       2-CH2OH-Ph         439       4-F       2-CH2OH-Ph         440       4-F       2-CHOHMe-Ph         441       4-F       2-Me-Ph         442       4-F       2-Me-Ph         443       4-F       2-Et-Ph         444       4-F       2-iPr-Ph         445       4-F       2-tBu-Ph         446       4-F       2-CH2CO2Me-Ph         447       4-F       2-(1-piperidinyl)-Ph			
430       4-F       2-Br-Ph         431       4-F       2-SO2NH2-Ph         432       4-F       2-SO2NHMe-Ph         433       4-F       2-CF3-Ph         434       4-F       2-OMe-Ph         435       4-F       2-SMe-Ph         436       4-F       2-SO2Me-Ph         437       4-F       2-OH-Ph         438       4-F       2-CH2OH-Ph         439       4-F       2-CH2OH-Ph         440       4-F       2-CHOHMe-Ph         441       4-F       2-Me-Ph         442       4-F       2-Me-Ph         443       4-F       2-Et-Ph         444       4-F       2-iPr-Ph         445       4-F       2-tBu-Ph         446       4-F       2-CH2CO2Me-Ph         447       4-F       2-(1-piperidinyl)-Ph			
431       4-F       2-SO2NH2-Ph         432       4-F       2-SO2NHMe-Ph         433       4-F       2-CF3-Ph         434       4-F       2-OMe-Ph         435       4-F       2-SMe-Ph         436       4-F       2-SO2Me-Ph         437       4-F       2-OH-Ph         438       4-F       2-OH-Ph         439       4-F       2-CH2OH-Ph         440       4-F       2-CH0HMe-Ph         441       4-F       2-Me-Ph         442       4-F       2-Me-Ph         443       4-F       2-Et-Ph         444       4-F       2-iPr-Ph         445       4-F       2-tBu-Ph         446       4-F       2-CH2CO2Me-Ph         447       4-F       2-(1-piperidinyl)-Ph			
432       4-F       2-SO2NHMe-Ph         433       4-F       2-CF3-Ph         434       4-F       2-OMe-Ph         435       4-F       2-SMe-Ph         436       4-F       2-SO2Me-Ph         437       4-F       2-OH-Ph         438       4-F       2-CH2OH-Ph         439       4-F       2-CH2OH-Ph         440       4-F       2-CH0HMe-Ph         441       4-F       2-COH (Me) 2-Ph         442       4-F       2-Me-Ph         443       4-F       2-Et-Ph         444       4-F       2-iPr-Ph         445       4-F       2-tBu-Ph         446       4-F       2-CH2CO2Me-Ph         447       4-F       2-(1-piperidinyl)-Ph			
433       4-F       2-CF3-Ph         434       4-F       2-OMe-Ph         435       4-F       2-SMe-Ph         436       4-F       2-SOMe-Ph         437       4-F       2-OH-Ph         438       4-F       2-CH2OH-Ph         439       4-F       2-CH0HMe-Ph         440       4-F       2-CH0HMe-Ph         441       4-F       2-Me-Ph         442       4-F       2-Et-Ph         443       4-F       2-Et-Ph         444       4-F       2-tBu-Ph         445       4-F       2-tBu-Ph         446       4-F       2-CH2CO2Me-Ph         447       4-F       2-(1-piperidinyl)-Ph			
434       4-F       2-OMe-Ph         435       4-F       2-SMe-Ph         436       4-F       2-SO2Me-Ph         437       4-F       2-OH-Ph         438       4-F       2-OH-Ph         439       4-F       2-CH2OH-Ph         440       4-F       2-CH0HMe-Ph         441       4-F       2-COH (Me) 2-Ph         442       4-F       2-Me-Ph         443       4-F       2-Et-Ph         444       4-F       2-tBu-Ph         445       4-F       2-tBu-Ph         446       4-F       2-CH2CO2Me-Ph         447       4-F       2-(1-piperidinyl)-Ph			
435 4-F 2-SMe-Ph  436 4-F 2-SOMe-Ph  437 4-F 2-SO2Me-Ph  438 4-F 2-OH-Ph  439 4-F 2-CH2OH-Ph  440 4-F 2-CHOHMe-Ph  441 4-F 2-CHOHMe-Ph  442 4-F 2-Me-Ph  443 4-F 2-Et-Ph  444 4-F 2-tBu-Ph  445 4-F 2-CH2CO2Me-Ph  447 4-F 2-(1-piperidinyl)-Ph			
436 4-F 2-SOMe-Ph  437 4-F 2-SO2Me-Ph  438 4-F 2-OH-Ph  439 4-F 2-CH2OH-Ph  440 4-F 2-CHOHMe-Ph  441 4-F 2-COH(Me) 2-Ph  442 4-F 2-Me-Ph  443 4-F 2-Et-Ph  444 4-F 2-tBu-Ph  445 4-F 2-CH2CO2Me-Ph  447 4-F 2-(1-piperidinyl)-Ph			
437       4-F       2-SO2Me-Ph         438       4-F       2-OH-Ph         439       4-F       2-CH2OH-Ph         440       4-F       2-CHOHMe-Ph         441       4-F       2-COH (Me) 2-Ph         442       4-F       2-Me-Ph         443       4-F       2-Et-Ph         444       4-F       2-iPr-Ph         445       4-F       2-tBu-Ph         446       4-F       2-CH2CO2Me-Ph         447       4-F       2-(1-piperidinyl)-Ph			
438     4-F     2-OH-Ph       439     4-F     2-CH2OH-Ph       440     4-F     2-CH0HMe-Ph       441     4-F     2-COH (Me) 2-Ph       442     4-F     2-Me-Ph       443     4-F     2-Et-Ph       444     4-F     2-iPr-Ph       445     4-F     2-tBu-Ph       446     4-F     2-CH2CO2Me-Ph       447     4-F     2-(1-piperidinyl)-Ph			
439 4-F 2-CH2OH-Ph 440 4-F 2-CHOHMe-Ph 441 4-F 2-COH(Me)2-Ph 442 4-F 2-Me-Ph 443 4-F 2-Et-Ph 444 4-F 2-iPr-Ph 445 4-F 2-tBu-Ph 446 4-F 2-CH2CO2Me-Ph 447 4-F 2-(1-piperidiny1)-Ph			
440     4-F     2-CHOHMe-Ph       441     4-F     2-COH(Me) 2-Ph       442     4-F     2-Me-Ph       443     4-F     2-Et-Ph       444     4-F     2-iPr-Ph       445     4-F     2-tBu-Ph       446     4-F     2-CH2CO2Me-Ph       447     4-F     2-(1-piperidinyl)-Ph			
441     4-F     2-COH (Me) 2-Ph       442     4-F     2-Me-Ph       443     4-F     2-Et-Ph       444     4-F     2-iPr-Ph       445     4-F     2-tBu-Ph       446     4-F     2-CH2CO2Me-Ph       447     4-F     2-(1-piperidinyl)-Ph			
442     4-F     2-Me-Ph       443     4-F     2-Et-Ph       444     4-F     2-iPr-Ph       445     4-F     2-tBu-Ph       446     4-F     2-CH2CO2Me-Ph       447     4-F     2-(1-piperidinyl)-Ph			
443     4-F     2-Et-Ph       444     4-F     2-iPr-Ph       445     4-F     2-tBu-Ph       446     4-F     2-CH2CO2Me-Ph       447     4-F     2-(1-piperidinyl)-Ph			
444     4-F     2-iPr-Ph       445     4-F     2-tBu-Ph       446     4-F     2-CH2CO2Me-Ph       447     4-F     2-(1-piperidinyl)-Ph			
445     4-F     2-tBu-Ph       446     4-F     2-CH2CO2Me-Ph       447     4-F     2-(1-piperidinyl)-Ph		4-F	
446       4-F       2-CH2CO2Me-Ph         447       4-F       2-(1-piperidinyl)-Ph		4-F	
447 4-F 2-(1-piperidinyl)-Ph	445	4-F	
	446	4-F	
448   4-F   2-(1-pyrrolidinyl)-Ph		4-F	
	448	4-F	2-(1-pyrrolidinyl)-Ph

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449	4-F	2-(2-imidazolyl)-Ph
450	4-F	2-(1-imidazolyl)-Ph
451	4-F	2-(2-thiazolyl)-Ph
452	4-F	2-(3-pyrazolyl)-Ph
453	4-F	2-(1-pyrazolyl)-Ph
454	4-F	2-(5-Me-1-tetrazolyl)-Ph
455	4-F	2-(1-Me-5-tetrazolyl)-Ph
456	4-F	2-(2-pyridyl)-Ph
457	4-F	2-(2-thienyl)-Ph
458	4-F	2-(2-furanyl)-Ph
459_	4-F	2,4-diF-Ph
460	4-F	2,5-diF-Ph
461	4-F	2,6-diF-Ph
462	4-F	3,4-diF-Ph
463	4-F	3,5-diF-Ph
464	4-F	2,4-diCl-Ph
465	4-F	2,5-diCl-Ph
466	4-F	2,6-diCl-Ph
467	4-F	3,4-diCl-Ph
468	4-F	3,5-diCl-Ph
469	4-F	3,4-diCF3-Ph
470	4-F	3,5-diCF3-Ph
471	4-F	5-Cl-2-MeO-Ph
472	4-F	5-Cl-2-Me-Ph
473	4-F	2-F-5-Me-Ph
474	4-F	3-F-5-morpholino-Ph
475	4-F	3,4-OCH2O-Ph
476	4-F	3,4-OCH2CH2O-Ph
477	4-F	2-MeO-5-CONH2-Ph
478	4-F	2-MeO-4-(1-Me-5-tetrazolyl)-Ph
479	4-F	2-MeO-5-(1-Me-5-tetrazolyl)-Ph
480	4-F	3-CONH2-5-(1-Me-5-tetrazoly1)-Ph
481	4-F	1-naphthyl
482	4-F	2-naphthyl
483	4-F	2-thienyl
484	4-F	3-thienyl
485	4-F	2-furanyl
486	4-F	3-furanyl
487	4-F	2-pyridyl
488	4-F	3-pyridyl
489	4-F	4-pyridyl
490	4-F	2-indolyl
491	4-F	3-indolyl
492	4-F	5-indolyl
493	4-F	6-indolyl
494	4-F	3-indazolyl
495	4-F	5-indazolyl
496	4-F	6-indazolyl
497	4-F	2-imidazolyl
498	4-F	3-isoxazoyl
499	4-F	3-pyrazolyl
500	4-F	2-thiadiazolyl
501	4-F	2-thiazolyl
502	4-F	5-Ac-4-Me-2-thiazolyl
503	4-F	5-tetrazolyl
m 11 4	1 4 – P.	ı b-cectazoivi l

504   4-F   2-benzimidazolyl			
So6		4-F	2-benzimidazolyl
507    4-F   2-benzoxazolyl   508    4-F   2-benzoxazolyl   510    4-F   5-benzoxazolyl   510    4-F   1-adamantyl   511    4-F   2-adamantyl   512    4-F   1-Pr   513    4-F   1-Pr   513    4-F   1-Pr   514    4-F   1-Pr   515   4-F   1-Pr   515   4-F   1-Pr   516   4-F   1-Pr   517   4-F   1-Pr   616   4-F   1-P	505	4-F	
Sol	506	4-F	2-benzothiazolyl
Since   Section   Sectio			5-benzothiazolyl
S10   4-F   1-adamanty    S11   4-F   2-adamanty    S12   4-F   1-Pr     S13   4-F   1-Pr     S14   4-F   C-Hex     S15   4-F   CH2CH2OME     S16   4-F   CH2CONH2     S17   4-F   CH2CO2ME     S18   4-F   CH2CO2ME     S18   4-F   CH2CH2Me2     S19   4-F   CH2CH2Me2     S20   4-F   Denzy      S21   4-F   Denzy      S22   4-F   Denzy      S22   4-F   Denzy      S24   3-Cl   3-CN-Ph     S25   3-Cl   3-COME-Ph     S26   3-Cl   3-COMH2-Ph     S27   3-Cl   3-CONH2-Ph     S28   3-Cl   3-CONH2-Ph     S30   3-Cl   3-F-Ph     S30   3-Cl   3-F-Ph     S30   3-Cl   3-SO2NHME-Ph     S31   3-Cl   3-SO2NH2-Ph     S32   3-Cl   3-SO2NH2-Ph     S33   3-Cl   3-SO2NH2-Ph     S34   3-Cl   3-SO2NH2-Ph     S35   3-Cl   3-SO2NH2-Ph     S36   3-Cl   3-SME-Ph     S37   3-Cl   3-SOME-Ph     S38   3-Cl   3-SOME-Ph     S39   3-Cl   3-SOME-Ph     S39   3-Cl   3-SOME-Ph     S39   3-Cl   3-SOME-Ph     S39   3-Cl   3-CHOHME-Ph     S40   3-Cl   3-CHOHME-Ph     S40   3-Cl   3-CHOHME-Ph     S40   3-Cl   3-CHOHME-Ph     S41   3-Cl   3-CHOHME-Ph     S42   3-Cl   3-CHOHME-Ph     S44   3-Cl   3-CHOHME-Ph     S45   3-Cl   3-CHOHME-Ph     S46   3-Cl   3-EF-Ph     S47   3-Cl   3-CHOHME-Ph     S48   3-Cl   3-CHOHME-Ph     S49   3-Cl   3-CHOHME-Ph     S49   3-Cl   3-CHOHME-Ph     S49   3-Cl   3-CH2CO2ME-Ph     S40   3-Cl   3-CH2CO2ME-Ph     S41   3-Cl   3-CH2CO2ME-Ph     S42   3-Cl   3-CH2CO2ME-Ph     S43   3-Cl   3-CH2CO2ME-Ph     S44   3-Cl   3-CH2CO2ME-Ph     S45   3-Cl   3-CH2CO2ME-Ph     S46   3-Cl   3-CH2CO2ME-Ph     S47   3-Cl   3-CH2CO2ME-Ph     S48   3-Cl   3-CH2CO2ME-Ph     S49   3-Cl   3-CH2CO2ME-Ph     S49   3-Cl   3-CH2CO2ME-Ph     S49   3-Cl   3-CH2CO2ME-Ph     S49   3-Cl   3-			
S11		4-F	5-benzoxazolyl
S12	510	4-F	1-adamantyl
513   4-F   C-Hex     514   4-F   C-Hex     515   4-F   CH2CH2OME     516   4-F   CH2CONH2     517   4-F   CH2COME     518   4-F   CH2COME     519   4-F   CH2CH2NMe2     520   4-F   Denzyl     521   4-F   Denzyl     521   4-F   Denzyl     522   4-F   Denzyl     523   3-Cl   Ph     524   3-Cl   3-COME-Ph     525   3-Cl   3-COME-Ph     526   3-Cl   3-COMH2-Ph     527   3-Cl   3-CONHME-Ph     528   3-Cl   3-CONHME-Ph     529   3-Cl   3-F-Ph     530   3-Cl   3-BF-Ph     531   3-Cl   3-SOZNHME-Ph     532   3-Cl   3-SOZNHME-Ph     533   3-Cl   3-SOZNHME-Ph     534   3-Cl   3-SOZNHME-Ph     535   3-Cl   3-SOZNHME-Ph     536   3-Cl   3-SME-Ph     537   3-Cl   3-SOZNHE-Ph     538   3-Cl   3-SOZNHE-Ph     539   3-Cl   3-SOZNE-Ph     530   3-Cl   3-SME-Ph     531   3-Cl   3-SOZNE-Ph     532   3-Cl   3-SOZNE-Ph     533   3-Cl   3-SOZNE-Ph     534   3-Cl   3-SOZNE-Ph     535   3-Cl   3-SOZNE-Ph     536   3-Cl   3-SOZNE-Ph     537   3-Cl   3-SOZNE-Ph     538   3-Cl   3-SOZNE-Ph     540   3-Cl   3-CHOIME-Ph     540   3-Cl   3-CHOIME-Ph     541   3-Cl   3-CHOIME-Ph     542   3-Cl   3-CHOIME-Ph     543   3-Cl   3-CHOIME-Ph     544   3-Cl   3-CHOIME-Ph     545   3-Cl   3-CH2COZME-Ph     546   3-Cl   3-EP-Ph     547   3-Cl   3-CH2COZME-Ph     548   3-Cl   3-CH2COZME-Ph     549   3-Cl   3-CH2COZME-Ph     549   3-Cl   3-CH2COZME-Ph     540   3-Cl   3-CH2COZME-Ph     541   3-Cl   3-CH2COZME-Ph     542   3-Cl   3-CH2COZME-Ph     543   3-Cl   3-CH2COZME-Ph     544   3-Cl   3-CH2COZME-Ph     545   3-Cl   3-CH2COZME-Ph     546   3-Cl   3-CH2COZME-Ph     547   3-Cl   3-CH2COZME-Ph     548   3-Cl   3-CH2COZME-Ph     549   3-Cl   3-CH2COZME-Ph     540   3-Cl   3-CH2COZME-Ph     541   3-Cl   3-CH2COZME-Ph     542   3-Cl   3-CH2COZME-Ph     543   3-Cl   3-CH2COZME-Ph     544   3-Cl   3-CH2COZME-Ph     545   3-Cl   3-CH2COZME-Ph     546   3-Cl   3-CH2COZME-Ph     547   3-Cl   3-CH2COZME-Ph     548   3-Cl   3-CH2COZME-Ph     549   3-Cl   3-CH2COZME-Ph     540   3-Cl   3-CH2COZME-Ph     540   3-Cl   3-CH2COZME-Ph     540   3-Cl   3-CH2COZME-P	511	4-F	2-adamantyl
S14    4-F		4-F	i-Pr_
S15		4-F	t-Bu_
S16			c-Hex
517         4-F         CH2CO2Me           518         4-F         CH(CH2Ph)CO2Me           519         4-F         CH2CH2NMe2           520         4-F         benzyl           521         4-F         phenethyl           522         4-F         2-(morpholin-1-yl)-Et           523         3-Cl         Ph           524         3-Cl         3-CN-Ph           525         3-Cl         3-COMe-Ph           526         3-Cl         3-COMH2-Ph           527         3-Cl         3-CONH2-Ph           528         3-Cl         3-CONH4-Ph           529         3-Cl         3-CONH4-Ph           530         3-Cl         3-SOZNH2-Ph           531         3-Cl         3-SOZNH2-Ph           532         3-Cl         3-SOZNHB-Ph           533         3-Cl         3-SOZNHB-Ph           534         3-Cl         3-SOZNHB-Ph           535         3-Cl         3-SOME-Ph           536         3-Cl         3-SOZME-Ph           537         3-Cl         3-SOZME-Ph           538         3-Cl         3-CH2OH-Ph           540         3-Cl         3-CH2O			CH2CH2OMe
518         4-F         CH(CH2Ph) CO2Me           519         4-F         CH2CH2NMe2           520         4-F         benzyl           521         4-F         phenethyl           522         4-F         2-(morpholin-1-yl)-Et           523         3-Cl         3-CN-Ph           524         3-Cl         3-COMe-Ph           525         3-Cl         3-COMe-Ph           526         3-Cl         3-CONHMe-Ph           527         3-Cl         3-CONHMe-Ph           528         3-Cl         3-C1-Ph           529         3-Cl         3-SO2NHMe-Ph           530         3-Cl         3-SO2NHMe-Ph           531         3-Cl         3-SO2NHMe-Ph           532         3-Cl         3-SOMe-Ph           533         3-Cl         3-SOMe-Ph           534         3-Cl         3-SOMe-Ph           535         3-Cl         3-SOMe-Ph           536         3-Cl         3-CHOHMe-Ph           540         3-Cl         3-CHOHMe-Ph           541         3-Cl         3-CHOHMe-Ph           542         3-Cl         3-CHOHMe-Ph           543         3-Cl			CH2CONH2
519         4-F         CH2CH2NMe2           520         4-F         benzyl           521         4-F         phenethyl           522         4-F         2-(morpholin-1-yl)-Et           523         3-Cl         Ph           524         3-Cl         3-CN-Ph           525         3-Cl         3-COME-Ph           526         3-Cl         3-COMH2-Ph           527         3-Cl         3-CONHMe-Ph           528         3-Cl         3-CONHMe-Ph           529         3-Cl         3-F-Ph           530         3-Cl         3-SONHMe-Ph           531         3-Cl         3-SONHMe-Ph           532         3-Cl         3-SONHP-Ph           533         3-Cl         3-SOME-Ph           534         3-Cl         3-SOME-Ph           535         3-Cl         3-SOME-Ph           536         3-Cl         3-SOME-Ph           537         3-Cl         3-SOME-Ph           538         3-Cl         3-CHOHPh           540         3-Cl         3-CHOHPh           541         3-Cl         3-CHOHPh           542         3-Cl         3-CHOHPh <td></td> <td></td> <td>CH2CO2Me</td>			CH2CO2Me
520         4-F         benzyl           521         4-F         phenethyl           522         4-F         2-(morpholin-1-yl)-Et           523         3-Cl         Ph           524         3-Cl         3-CN-Ph           525         3-Cl         3-COME-Ph           526         3-Cl         3-COMH2-Ph           527         3-Cl         3-CONHM-Ph           528         3-Cl         3-CONHM-Ph           529         3-Cl         3-CONHM-Ph           530         3-Cl         3-SONHP-Ph           531         3-Cl         3-SONHP-Ph           531         3-Cl         3-SOZNHM-Ph           533         3-Cl         3-SOZNHM-Ph           534         3-Cl         3-SOM-Ph           535         3-Cl         3-SOM-Ph           536         3-Cl         3-SOM-Ph           537         3-Cl         3-SOM-Ph           538         3-Cl         3-SOM-Ph           539         3-Cl         3-CHOHM-Ph           540         3-Cl         3-CHOHM-Ph           541         3-Cl         3-CHOHM-Ph           542         3-Cl         3-CHOHM-Ph		4-F	CH(CH2Ph)CO2Me
521         4-F         phenethyl           522         4-F         2-(morpholin-1-yl)-Et           523         3-Cl         Ph           524         3-Cl         3-CN-Ph           525         3-Cl         3-COMe-Ph           526         3-Cl         3-COMH2-Ph           527         3-Cl         3-CONHMe-Ph           528         3-Cl         3-CONHMe-Ph           529         3-Cl         3-F-Ph           530         3-Cl         3-SOZNHMe-Ph           531         3-Cl         3-SOZNHDE-Ph           531         3-Cl         3-SOZNHMe-Ph           532         3-Cl         3-SOME-Ph           533         3-Cl         3-SME-Ph           534         3-Cl         3-SME-Ph           535         3-Cl         3-SOME-Ph           536         3-Cl         3-SOME-Ph           537         3-Cl         3-SOME-Ph           538         3-Cl         3-CH2OH-Ph           540         3-Cl         3-CH2OH-Ph           541         3-Cl         3-CHOHME-Ph           542         3-Cl         3-CHOHME-Ph           543         3-Cl         3-EP-P			CH2CH2NMe2
522         4-F         2-(morpholin-1-yl)-Et           523         3-Cl         Ph           524         3-Cl         3-CN-Ph           525         3-Cl         3-COMe-Ph           526         3-Cl         3-CONH2-Ph           527         3-Cl         3-CONHMe-Ph           528         3-Cl         3-CONHMe-Ph           529         3-Cl         3-F-Ph           530         3-Cl         3-SO2NHMe-Ph           531         3-Cl         3-SO2NH2-Ph           532         3-Cl         3-SO2NHMe-Ph           533         3-Cl         3-SO2NHMe-Ph           534         3-Cl         3-SOMe-Ph           535         3-Cl         3-SOMe-Ph           536         3-Cl         3-SOMe-Ph           537         3-Cl         3-SOMe-Ph           538         3-Cl         3-CH2OH-Ph           540         3-Cl         3-CH2OH-Ph           541         3-Cl         3-CHOHMe-Ph           542         3-Cl         3-CHOHMe-Ph           543         3-Cl         3-CHOHMe-Ph           544         3-Cl         3-CH2OMe-Ph           545         3-Cl         <			benzyl
523         3-C1         3-CN-Ph           524         3-C1         3-CN-Ph           525         3-C1         3-COM-Ph           526         3-C1         3-COMHO-Ph           527         3-C1         3-CONHMO-Ph           528         3-C1         3-CONHMO-Ph           529         3-C1         3-F-Ph           530         3-C1         3-Br-Ph           531         3-C1         3-SOZNHA-Ph           532         3-C1         3-SOZNHA-Ph           533         3-C1         3-SOZNHA-Ph           534         3-C1         3-SOZNH-Ph           535         3-C1         3-SOM-Ph           536         3-C1         3-SOM-Ph           537         3-C1         3-SOZM-Ph           538         3-C1         3-SOZM-Ph           539         3-C1         3-SOZM-Ph           540         3-C1         3-CH2OH-Ph           540         3-C1         3-CH2OH-Ph           541         3-C1         3-CH2OH-Ph           542         3-C1         3-CHOHM-Ph           543         3-C1         3-ET-Ph           544         3-C1         3-ET-Ph <td></td> <td></td> <td></td>			
524         3-C1         3-CN-Ph           525         3-C1         3-COMe-Ph           526         3-C1         3-COME-Ph           527         3-C1         3-CONH2-Ph           528         3-C1         3-CONHME-Ph           529         3-C1         3-F-Ph           530         3-C1         3-SO2NHME-Ph           531         3-C1         3-SO2NHME-Ph           532         3-C1         3-SO2NHME-Ph           533         3-C1         3-SO2NHME-Ph           534         3-C1         3-SOME-Ph           535         3-C1         3-SOME-Ph           536         3-C1         3-SOME-Ph           537         3-C1         3-SOME-Ph           538         3-C1         3-SOME-Ph           539         3-C1         3-SOME-Ph           540         3-C1         3-CH2OH-Ph           541         3-C1         3-CH2OH-Ph           542         3-C1         3-CH2OH-Ph           543         3-C1         3-CH2OH-Ph           544         3-C1         3-EL-Ph           544         3-C1         3-EL-Ph           544         3-C1         3-EL-Ph			2-(morpholin-1-yl)-Et
525         3-C1         3-COME-Ph           526         3-C1         3-COME-Ph           527         3-C1         3-CONHZ-Ph           528         3-C1         3-CONHME-Ph           529         3-C1         3-F-Ph           530         3-C1         3-Br-Ph           531         3-C1         3-SO2NHZ-Ph           533         3-C1         3-SO2NHME-Ph           534         3-C1         3-SO2NHME-Ph           535         3-C1         3-SME-Ph           536         3-C1         3-SME-Ph           537         3-C1         3-SOME-Ph           538         3-C1         3-SOME-Ph           539         3-C1         3-SOME-Ph           540         3-C1         3-CH2OH-Ph           541         3-C1         3-CH2OH-Ph           542         3-C1         3-CH0HME-Ph           543         3-C1         3-CH0HME-Ph           544         3-C1         3-CH0HME-Ph           545         3-C1         3-CH0HME-Ph           546         3-C1         3-Et-Ph           548         3-C1         3-Et-Ph           548         3-C1         3-CH2CO2ME-P			
526         3-C1         3-COME-Ph           527         3-C1         3-CONH2-Ph           528         3-C1         3-CONHME-Ph           529         3-C1         3-F-Ph           530         3-C1         3-Br-Ph           531         3-C1         3-Br-Ph           532         3-C1         3-SO2NH2-Ph           533         3-C1         3-SO2NHME-Ph           534         3-C1         3-SO2NHME-Ph           535         3-C1         3-SOME-Ph           536         3-C1         3-SOME-Ph           537         3-C1         3-SOME-Ph           538         3-C1         3-SOME-Ph           539         3-C1         3-CH2OH-Ph           540         3-C1         3-CH2OH-Ph           541         3-C1         3-CH2OH-Ph           542         3-C1         3-CHOHME-Ph           543         3-C1         3-CHOHME-Ph           544         3-C1         3-Et-Ph           545         3-C1         3-Et-Ph           546         3-C1         3-Et-Ph           548         3-C1         3-(H-piperidinyl)-Ph           549         3-C1         3-(1-p			
527         3-C1         3-C0NHMe-Ph           528         3-C1         3-C0NHMe-Ph           529         3-C1         3-F-Ph           530         3-C1         3-Br-Ph           531         3-C1         3-SO2NH2-Ph           532         3-C1         3-SO2NHHe-Ph           533         3-C1         3-SO2NHMe-Ph           534         3-C1         3-OMe-Ph           535         3-C1         3-SMe-Ph           536         3-C1         3-SOMe-Ph           537         3-C1         3-SOME-Ph           538         3-C1         3-SOME-Ph           539         3-C1         3-CH2OH-Ph           540         3-C1         3-CH2OH-Ph           541         3-C1         3-CH0HMe-Ph           542         3-C1         3-CH0HMe-Ph           543         3-C1         3-CH0HMe-Ph           544         3-C1         3-CH0HMe-Ph           545         3-C1         3-ET-Ph           546         3-C1         3-ET-Ph           547         3-C1         3-IP-Ph           548         3-C1         3-IP-Ph           549         3-C1         3-(1-pireidinyl			3-COMe-Ph
528         3-C1         3-CONHMe-Ph           529         3-C1         3-F-Ph           530         3-C1         3-Br-Ph           531         3-C1         3-SO2NH2-Ph           532         3-C1         3-SO2NHMe-Ph           533         3-C1         3-SO2NHMe-Ph           534         3-C1         3-OMe-Ph           535         3-C1         3-SMe-Ph           536         3-C1         3-SMe-Ph           537         3-C1         3-SOMe-Ph           538         3-C1         3-SOMe-Ph           539         3-C1         3-SOMe-Ph           540         3-C1         3-CH2OH-Ph           541         3-C1         3-CH2OH-Ph           542         3-C1         3-CHOHMe-Ph           543         3-C1         3-CHOHMe-Ph           544         3-C1         3-CHOHMe-Ph           544         3-C1         3-Et-Ph           545         3-C1         3-Et-Ph           546         3-C1         3-Et-Ph           548         3-C1         3-CH2CO2Me-Ph           548         3-C1         3-(1-piperidinyl)-Ph           550         3-C1         3-(			
529         3-C1         3-F-Ph           530         3-C1         3-C1-Ph           531         3-C1         3-Br-Ph           532         3-C1         3-SO2NH2-Ph           533         3-C1         3-SO2NHMe-Ph           534         3-C1         3-CF3-Ph           535         3-C1         3-OMe-Ph           536         3-C1         3-SMe-Ph           537         3-C1         3-SOMe-Ph           538         3-C1         3-SOMe-Ph           539         3-C1         3-OH-Ph           540         3-C1         3-CH2OH-Ph           541         3-C1         3-CH2OH-Ph           542         3-C1         3-CH2OH-Ph           543         3-C1         3-Me-Ph           544         3-C1         3-Et-Ph           544         3-C1         3-Et-Ph           545         3-C1         3-Et-Ph           546         3-C1         3-CH2CO2Me-Ph           548         3-C1         3-CH2CO2Me-Ph           549         3-C1         3-(1-piperidinyl)-Ph           550         3-C1         3-(2-imidazolyl)-Ph           551         3-C1         3-(2-			3-CONH2-Ph
530       3-C1       3-Br-Ph         531       3-C1       3-Br-Ph         532       3-C1       3-SO2NH2-Ph         533       3-C1       3-SO2NHMe-Ph         534       3-C1       3-CF3-Ph         535       3-C1       3-OMe-Ph         536       3-C1       3-SOMe-Ph         537       3-C1       3-SOMe-Ph         538       3-C1       3-SOMe-Ph         539       3-C1       3-OH-Ph         540       3-C1       3-CH2OH-Ph         541       3-C1       3-CHOHMe-Ph         542       3-C1       3-CHOHMe-Ph         543       3-C1       3-Me-Ph         544       3-C1       3-Et-Ph         545       3-C1       3-Et-Ph         546       3-C1       3-Et-Ph         547       3-C1       3-CH2CO2Me-Ph         548       3-C1       3-(1-piperidinyl)-Ph         550       3-C1       3-(1-piperidinyl)-Ph         551       3-C1       3-(1-piperidinyl)-Ph         552       3-C1       3-(1-piperidinyl)-Ph         553       3-C1       3-(2-imidazolyl)-Ph         553       3-C1       3-(2-imidazolyl			3-CONHMe-Ph
531         3-Cl         3-SO2NH2-Ph           532         3-Cl         3-SO2NHMe-Ph           533         3-Cl         3-SO2NHMe-Ph           534         3-Cl         3-CF3-Ph           535         3-Cl         3-OMe-Ph           536         3-Cl         3-SOMe-Ph           537         3-Cl         3-SOMe-Ph           538         3-Cl         3-OH-Ph           540         3-Cl         3-CH2OH-Ph           540         3-Cl         3-CH2OH-Ph           541         3-Cl         3-CH4OH-Ph           542         3-Cl         3-CH0Me-Ph           543         3-Cl         3-Me-Ph           544         3-Cl         3-Et-Ph           545         3-Cl         3-iPr-Ph           546         3-Cl         3-iPr-Ph           548         3-Cl         3-(1-piperidinyl)-Ph           549         3-Cl         3-(1-piperidinyl)-Ph           550         3-Cl         3-(1-piperidinyl)-Ph           551         3-Cl         3-(1-imidazolyl)-Ph           552         3-Cl         3-(2-imidazolyl)-Ph           553         3-Cl         3-(2-thiazolyl)-Ph           5			3-F-Ph
532       3-Cl       3-SO2NHMe-Ph         533       3-Cl       3-SO2NHMe-Ph         534       3-Cl       3-OMe-Ph         535       3-Cl       3-SMe-Ph         536       3-Cl       3-SOMe-Ph         537       3-Cl       3-SOMe-Ph         538       3-Cl       3-SO2Me-Ph         539       3-Cl       3-OH-Ph         540       3-Cl       3-CH2OH-Ph         541       3-Cl       3-CHOHMe-Ph         542       3-Cl       3-CHOHMe-Ph         543       3-Cl       3-Me-Ph         544       3-Cl       3-Et-Ph         545       3-Cl       3-Et-Ph         546       3-Cl       3-Et-Ph         547       3-Cl       3-CH2CO2Me-Ph         548       3-Cl       3-(1-piperidinyl)-Ph         550       3-Cl       3-(1-piperidinyl)-Ph         551       3-Cl       3-(2-imidazolyl)-Ph         552       3-Cl       3-(2-imidazolyl)-Ph         553       3-Cl       3-(2-thiazolyl)-Ph         554       3-Cl       3-(3-pyrazolyl)-Ph         555       3-Cl       3-(5-Me-1-tetrazolyl)-Ph         556       3-Cl <td></td> <td></td> <td></td>			
533       3-Cl       3-SO2NHMe-Ph         534       3-Cl       3-CF3-Ph         535       3-Cl       3-SMe-Ph         536       3-Cl       3-SOMe-Ph         537       3-Cl       3-SO2Me-Ph         538       3-Cl       3-SO2Me-Ph         539       3-Cl       3-OH-Ph         540       3-Cl       3-CH2OH-Ph         541       3-Cl       3-CH0HMe-Ph         542       3-Cl       3-CHOHMe-Ph         543       3-Cl       3-Me-Ph         544       3-Cl       3-Et-Ph         545       3-Cl       3-Et-Ph         546       3-Cl       3-Et-Ph         547       3-Cl       3-CH2CO2Me-Ph         548       3-Cl       3-(1-piperidinyl)-Ph         549       3-Cl       3-(1-piperidinyl)-Ph         550       3-Cl       3-(2-imidazolyl)-Ph         551       3-Cl       3-(2-imidazolyl)-Ph         552       3-Cl       3-(2-thiazolyl)-Ph         553       3-Cl       3-(3-pyrazolyl)-Ph         554       3-Cl       3-(1-pyrazolyl)-Ph         555       3-Cl       3-(5-Me-1-tetrazolyl)-Ph         556       3			
534       3-Cl       3-OMe-Ph         535       3-Cl       3-SMe-Ph         536       3-Cl       3-SOMe-Ph         537       3-Cl       3-SO2Me-Ph         538       3-Cl       3-OH-Ph         539       3-Cl       3-OH-Ph         540       3-Cl       3-CHOHMe-Ph         541       3-Cl       3-CHOHMe-Ph         542       3-Cl       3-Me-Ph         543       3-Cl       3-Et-Ph         544       3-Cl       3-Et-Ph         545       3-Cl       3-IPr-Ph         546       3-Cl       3-CH2CO2Me-Ph         548       3-Cl       3-(1-piperidinyl)-Ph         549       3-Cl       3-(1-piperidinyl)-Ph         550       3-Cl       3-(1-pyrrolidinyl)-Ph         551       3-Cl       3-(2-imidazolyl)-Ph         552       3-Cl       3-(2-thiazolyl)-Ph         553       3-Cl       3-(2-thiazolyl)-Ph         554       3-Cl       3-(3-pyrazolyl)-Ph         555       3-Cl       3-(5-Me-1-tetrazolyl)-Ph         556       3-Cl       3-(1-Me-5-tetrazolyl)-Ph         557       3-Cl       3-(2-pyridyl)-Ph			
535       3-C1       3-OMe-Ph         536       3-C1       3-SMe-Ph         537       3-C1       3-SOMe-Ph         538       3-C1       3-SO2Me-Ph         539       3-C1       3-OH-Ph         540       3-C1       3-CH2OH-Ph         541       3-C1       3-CH0HMe-Ph         542       3-C1       3-CH0HMe-Ph         543       3-C1       3-Me-Ph         544       3-C1       3-Et-Ph         545       3-C1       3-Et-Ph         546       3-C1       3-Et-Ph         547       3-C1       3-CH2CO2Me-Ph         548       3-C1       3-(1-piperidinyl)-Ph         549       3-C1       3-(1-piperidinyl)-Ph         550       3-C1       3-(2-imidazolyl)-Ph         551       3-C1       3-(2-imidazolyl)-Ph         552       3-C1       3-(2-thiazolyl)-Ph         553       3-C1       3-(2-thiazolyl)-Ph         554       3-C1       3-(1-pyrazolyl)-Ph         555       3-C1       3-(5-Me-1-tetrazolyl)-Ph         556       3-C1       3-(2-pyridyl)-Ph         557       3-C1       3-(2-pyridyl)-Ph			
536       3-Cl       3-SMe-Ph         537       3-Cl       3-SOMe-Ph         538       3-Cl       3-OH-Ph         539       3-Cl       3-CH2OH-Ph         540       3-Cl       3-CH2OH-Ph         541       3-Cl       3-CH0HMe-Ph         542       3-Cl       3-CHOHMe-Ph         543       3-Cl       3-Me-Ph         544       3-Cl       3-Et-Ph         545       3-Cl       3-Et-Ph         546       3-Cl       3-CH2CO2Me-Ph         548       3-Cl       3-(1-piperidinyl)-Ph         549       3-Cl       3-(1-pyrrolidinyl)-Ph         550       3-Cl       3-(2-imidazolyl)-Ph         551       3-Cl       3-(2-imidazolyl)-Ph         552       3-Cl       3-(2-thiazolyl)-Ph         553       3-Cl       3-(2-thiazolyl)-Ph         554       3-Cl       3-(1-pyrazolyl)-Ph         555       3-Cl       3-(5-Me-1-tetrazolyl)-Ph         556       3-Cl       3-(1-Me-5-tetrazolyl)-Ph         557       3-Cl       3-(2-pyridyl)-Ph			
537       3-Cl       3-SOMe-Ph         538       3-Cl       3-SOZMe-Ph         539       3-Cl       3-OH-Ph         540       3-Cl       3-CH2OH-Ph         541       3-Cl       3-CHOHMe-Ph         542       3-Cl       3-Me-Ph         543       3-Cl       3-Et-Ph         544       3-Cl       3-iPr-Ph         545       3-Cl       3-tBu-Ph         546       3-Cl       3-CH2CO2Me-Ph         548       3-Cl       3-(1-piperidinyl)-Ph         549       3-Cl       3-(1-piperidinyl)-Ph         550       3-Cl       3-(2-imidazolyl)-Ph         551       3-Cl       3-(2-imidazolyl)-Ph         552       3-Cl       3-(2-thiazolyl)-Ph         553       3-Cl       3-(2-thiazolyl)-Ph         554       3-Cl       3-(1-pyrazolyl)-Ph         555       3-Cl       3-(5-Me-1-tetrazolyl)-Ph         556       3-Cl       3-(1-Me-5-tetrazolyl)-Ph         557       3-Cl       3-(2-pyridyl)-Ph			
538       3-Cl       3-SO2Me-Ph         539       3-Cl       3-OH-Ph         540       3-Cl       3-CH2OH-Ph         541       3-Cl       3-CH0HMe-Ph         542       3-Cl       3-Me-Ph         543       3-Cl       3-Me-Ph         544       3-Cl       3-Et-Ph         545       3-Cl       3-iPr-Ph         546       3-Cl       3-CH2CO2Me-Ph         548       3-Cl       3-(1-piperidinyl)-Ph         549       3-Cl       3-(1-piperidinyl)-Ph         550       3-Cl       3-(2-imidazolyl)-Ph         551       3-Cl       3-(2-imidazolyl)-Ph         552       3-Cl       3-(1-imidazolyl)-Ph         553       3-Cl       3-(2-thiazolyl)-Ph         553       3-Cl       3-(3-pyrazolyl)-Ph         554       3-Cl       3-(1-pyrazolyl)-Ph         555       3-Cl       3-(5-Me-1-tetrazolyl)-Ph         556       3-Cl       3-(1-Me-5-tetrazolyl)-Ph         557       3-Cl       3-(2-pyridyl)-Ph			
539       3-Cl       3-OH-Ph         540       3-Cl       3-CH2OH-Ph         541       3-Cl       3-CHOHMe-Ph         542       3-Cl       3-COH(Me)2-Ph         543       3-Cl       3-Me-Ph         544       3-Cl       3-Et-Ph         545       3-Cl       3-tBu-Ph         546       3-Cl       3-CH2CO2Me-Ph         548       3-Cl       3-(1-piperidinyl)-Ph         549       3-Cl       3-(1-pyrrolidinyl)-Ph         550       3-Cl       3-(2-imidazolyl)-Ph         551       3-Cl       3-(1-imidazolyl)-Ph         552       3-Cl       3-(2-thiazolyl)-Ph         553       3-Cl       3-(3-pyrazolyl)-Ph         554       3-Cl       3-(1-pyrazolyl)-Ph         555       3-Cl       3-(5-Me-1-tetrazolyl)-Ph         556       3-Cl       3-(1-Me-5-tetrazolyl)-Ph         557       3-Cl       3-(2-pyridyl)-Ph			
540       3-Cl       3-CH2OH-Ph         541       3-Cl       3-CHOHMe-Ph         542       3-Cl       3-COH (Me) 2-Ph         543       3-Cl       3-Me-Ph         544       3-Cl       3-Et-Ph         545       3-Cl       3-tBu-Ph         546       3-Cl       3-CH2CO2Me-Ph         548       3-Cl       3-(1-piperidinyl)-Ph         549       3-Cl       3-(1-pyrrolidinyl)-Ph         550       3-Cl       3-(2-imidazolyl)-Ph         551       3-Cl       3-(2-thiazolyl)-Ph         552       3-Cl       3-(2-thiazolyl)-Ph         553       3-Cl       3-(3-pyrazolyl)-Ph         554       3-Cl       3-(1-pyrazolyl)-Ph         555       3-Cl       3-(5-Me-1-tetrazolyl)-Ph         556       3-Cl       3-(1-Me-5-tetrazolyl)-Ph         557       3-Cl       3-(2-pyridyl)-Ph			
541       3-Cl       3-CHOHMe-Ph         542       3-Cl       3-Me-Ph         543       3-Cl       3-Et-Ph         544       3-Cl       3-Et-Ph         545       3-Cl       3-tBu-Ph         546       3-Cl       3-CH2CO2Me-Ph         548       3-Cl       3-(1-piperidinyl)-Ph         549       3-Cl       3-(1-pyrrolidinyl)-Ph         550       3-Cl       3-(2-imidazolyl)-Ph         551       3-Cl       3-(2-imidazolyl)-Ph         552       3-Cl       3-(2-thiazolyl)-Ph         553       3-Cl       3-(3-pyrazolyl)-Ph         554       3-Cl       3-(1-pyrazolyl)-Ph         555       3-Cl       3-(5-Me-1-tetrazolyl)-Ph         556       3-Cl       3-(1-Me-5-tetrazolyl)-Ph         557       3-Cl       3-(2-pyridyl)-Ph			
542       3-Cl       3-COH (Me) 2-Ph         543       3-Cl       3-Me-Ph         544       3-Cl       3-Et-Ph         545       3-Cl       3-tBu-Ph         546       3-Cl       3-CH2CO2Me-Ph         548       3-Cl       3-(1-piperidinyl)-Ph         549       3-Cl       3-(1-piperidinyl)-Ph         550       3-Cl       3-(2-imidazolyl)-Ph         551       3-Cl       3-(1-imidazolyl)-Ph         552       3-Cl       3-(2-thiazolyl)-Ph         553       3-Cl       3-(3-pyrazolyl)-Ph         554       3-Cl       3-(1-pyrazolyl)-Ph         555       3-Cl       3-(5-Me-1-tetrazolyl)-Ph         556       3-Cl       3-(1-Me-5-tetrazolyl)-Ph         557       3-Cl       3-(2-pyridyl)-Ph			
543       3-Cl       3-Me-Ph         544       3-Cl       3-Et-Ph         545       3-Cl       3-tBu-Ph         546       3-Cl       3-CH2CO2Me-Ph         548       3-Cl       3-(1-piperidinyl)-Ph         549       3-Cl       3-(1-pyrrolidinyl)-Ph         550       3-Cl       3-(2-imidazolyl)-Ph         551       3-Cl       3-(1-imidazolyl)-Ph         552       3-Cl       3-(2-thiazolyl)-Ph         553       3-Cl       3-(3-pyrazolyl)-Ph         554       3-Cl       3-(1-pyrazolyl)-Ph         555       3-Cl       3-(5-Me-1-tetrazolyl)-Ph         556       3-Cl       3-(1-Me-5-tetrazolyl)-Ph         557       3-Cl       3-(2-pyridyl)-Ph			
544       3-Cl       3-Et-Ph         545       3-Cl       3-iPr-Ph         546       3-Cl       3-CH2CO2Me-Ph         547       3-Cl       3-(1-piperidinyl)-Ph         548       3-Cl       3-(1-piperidinyl)-Ph         549       3-Cl       3-(1-pyrrolidinyl)-Ph         550       3-Cl       3-(2-imidazolyl)-Ph         551       3-Cl       3-(1-imidazolyl)-Ph         552       3-Cl       3-(2-thiazolyl)-Ph         553       3-Cl       3-(3-pyrazolyl)-Ph         554       3-Cl       3-(1-pyrazolyl)-Ph         555       3-Cl       3-(5-Me-1-tetrazolyl)-Ph         556       3-Cl       3-(1-Me-5-tetrazolyl)-Ph         557       3-Cl       3-(2-pyridyl)-Ph			
545       3-Cl       3-iPr-Ph         546       3-Cl       3-tBu-Ph         547       3-Cl       3-CH2CO2Me-Ph         548       3-Cl       3-(1-piperidinyl)-Ph         549       3-Cl       3-(1-pyrrolidinyl)-Ph         550       3-Cl       3-(2-imidazolyl)-Ph         551       3-Cl       3-(1-imidazolyl)-Ph         552       3-Cl       3-(2-thiazolyl)-Ph         553       3-Cl       3-(3-pyrazolyl)-Ph         554       3-Cl       3-(1-pyrazolyl)-Ph         555       3-Cl       3-(5-Me-1-tetrazolyl)-Ph         556       3-Cl       3-(1-Me-5-tetrazolyl)-Ph         557       3-Cl       3-(2-pyridyl)-Ph			
546       3-Cl       3-tBu-Ph         547       3-Cl       3-CH2CO2Me-Ph         548       3-Cl       3-(1-piperidinyl)-Ph         549       3-Cl       3-(1-pyrrolidinyl)-Ph         550       3-Cl       3-(2-imidazolyl)-Ph         551       3-Cl       3-(1-imidazolyl)-Ph         552       3-Cl       3-(2-thiazolyl)-Ph         553       3-Cl       3-(3-pyrazolyl)-Ph         554       3-Cl       3-(1-pyrazolyl)-Ph         555       3-Cl       3-(5-Me-1-tetrazolyl)-Ph         556       3-Cl       3-(1-Me-5-tetrazolyl)-Ph         557       3-Cl       3-(2-pyridyl)-Ph			
547       3-Cl       3-CH2CO2Me-Ph         548       3-Cl       3-(1-piperidinyl)-Ph         549       3-Cl       3-(1-pyrrolidinyl)-Ph         550       3-Cl       3-(2-imidazolyl)-Ph         551       3-Cl       3-(1-imidazolyl)-Ph         552       3-Cl       3-(2-thiazolyl)-Ph         553       3-Cl       3-(3-pyrazolyl)-Ph         554       3-Cl       3-(1-pyrazolyl)-Ph         555       3-Cl       3-(5-Me-1-tetrazolyl)-Ph         556       3-Cl       3-(1-Me-5-tetrazolyl)-Ph         557       3-Cl       3-(2-pyridyl)-Ph			
548       3-Cl       3-(1-piperidinyl)-Ph         549       3-Cl       3-(1-pyrrolidinyl)-Ph         550       3-Cl       3-(2-imidazolyl)-Ph         551       3-Cl       3-(1-imidazolyl)-Ph         552       3-Cl       3-(2-thiazolyl)-Ph         553       3-Cl       3-(3-pyrazolyl)-Ph         554       3-Cl       3-(1-pyrazolyl)-Ph         555       3-Cl       3-(5-Me-1-tetrazolyl)-Ph         556       3-Cl       3-(1-Me-5-tetrazolyl)-Ph         557       3-Cl       3-(2-pyridyl)-Ph			
549       3-Cl       3-(1-pyrrolidinyl)-Ph         550       3-Cl       3-(2-imidazolyl)-Ph         551       3-Cl       3-(1-imidazolyl)-Ph         552       3-Cl       3-(2-thiazolyl)-Ph         553       3-Cl       3-(3-pyrazolyl)-Ph         554       3-Cl       3-(1-pyrazolyl)-Ph         555       3-Cl       3-(5-Me-1-tetrazolyl)-Ph         556       3-Cl       3-(1-Me-5-tetrazolyl)-Ph         557       3-Cl       3-(2-pyridyl)-Ph			
550     3-Cl     3-(2-imidazolyl)-Ph       551     3-Cl     3-(1-imidazolyl)-Ph       552     3-Cl     3-(2-thiazolyl)-Ph       553     3-Cl     3-(3-pyrazolyl)-Ph       554     3-Cl     3-(1-pyrazolyl)-Ph       555     3-Cl     3-(5-Me-1-tetrazolyl)-Ph       556     3-Cl     3-(1-Me-5-tetrazolyl)-Ph       557     3-Cl     3-(2-pyridyl)-Ph			
551     3-Cl     3-(1-imidazolyl)-Ph       552     3-Cl     3-(2-thiazolyl)-Ph       553     3-Cl     3-(3-pyrazolyl)-Ph       554     3-Cl     3-(1-pyrazolyl)-Ph       555     3-Cl     3-(5-Me-1-tetrazolyl)-Ph       556     3-Cl     3-(1-Me-5-tetrazolyl)-Ph       557     3-Cl     3-(2-pyridyl)-Ph			
552       3-Cl       3-(2-thiazolyl)-Ph         553       3-Cl       3-(3-pyrazolyl)-Ph         554       3-Cl       3-(1-pyrazolyl)-Ph         555       3-Cl       3-(5-Me-1-tetrazolyl)-Ph         556       3-Cl       3-(1-Me-5-tetrazolyl)-Ph         557       3-Cl       3-(2-pyridyl)-Ph			
553       3-Cl       3-(3-pyrazolyl)-Ph         554       3-Cl       3-(1-pyrazolyl)-Ph         555       3-Cl       3-(5-Me-1-tetrazolyl)-Ph         556       3-Cl       3-(1-Me-5-tetrazolyl)-Ph         557       3-Cl       3-(2-pyridyl)-Ph			
554       3-Cl       3-(1-pyrazolyl)-Ph         555       3-Cl       3-(5-Me-1-tetrazolyl)-Ph         556       3-Cl       3-(1-Me-5-tetrazolyl)-Ph         557       3-Cl       3-(2-pyridyl)-Ph			
555       3-Cl       3-(5-Me-1-tetrazolyl)-Ph         556       3-Cl       3-(1-Me-5-tetrazolyl)-Ph         557       3-Cl       3-(2-pyridyl)-Ph			
556 3-Cl 3-(1-Me-5-tetrazolyl)-Ph 557 3-Cl 3-(2-pyridyl)-Ph			
557 3-Cl 3-(2-pyridyl)-Ph			
558   3-Cl   3-(2-thienyl)-Ph			
	558	3-C1	3-(2-thienyl)-Ph

F E O	2 01	3-(2-furanyl)-Ph
559 560	3-Cl 3-Cl	4-CN-Ph
561	3-C1	4-CN-FH 4-COMe-Ph
		4-COME-FII 4-CO2Me-Ph
562	3-C1	
563	3-C1	4-CONH2-Ph
564	3-C1	4-CONHMe-Ph
565	3-C1	4-CONHPh-Ph
566	3-C1	4-F-Ph
567	3-C1	4-Cl-Ph
568	3-Cl	4-Br-Ph
569	3-C1	4-SO2NH2-Ph
570	3-C1	4-SO2NHMe-Ph
571	3-C1	4-CF3-Ph
572	3-C1	4-OMe-Ph
573	3-C1	4-SMe-Ph
574	3-C1	4-SOMe-Ph
575	3-C1	4-SO2Me-Ph
576	3-C1	4-OH-Ph
577	3-C1	4-CH2OH-Ph
578	3-C1	4-CHOHMe-Ph
579	3-C1	4-COH (Me) 2-Ph
580	3-C1	4-Me-Ph
581	3-C1	4-Et-Ph
582	3-C1	4-iPr-Ph
583	3-C1	4-tBu-Ph
584	3-C1	4-CH2CO2Me-Ph
585	3-C1	4-(1-piperidiny1)-Ph
586	3-C1	4-(1-pyrrolidinyl)-Ph
587	3-C1	4-(2-imidazolyl)-Ph
588	3-C1	4-(1-imidazolyl)-Ph
589	3-C1	4-(2-thiazolyl)-Ph
590	3-C1	4-(3-pyrazolyl)-Ph
591	3-C1	4-(1-pyrazolyl)-Ph
592	3-C1	4-(5-Me-1-tetrazoly1)-Ph
593	3-C1	4-(1-Me-5-tetrazolyl)-Ph
594	3-C1	4-(2-pyridyl)-Ph
595	3-C1	4-(2-thienyl)-Ph
596	3-C1	4-(2-furanyl)-Ph
597	3-C1	2-CN-Ph
598	3-C1	2-COMe-Ph
599	3-C1	2-CO2Me-Ph
600	3-C1	2-CONH2-Ph
601	3-C1	2-CONHMe-Ph
602	3-C1	2-F-Ph
603	3-C1	2-Cl-Ph
604	3-C1	2-Br-Ph
605	3-C1	2-SO2NH2-Ph
606	3-C1	2-SO2NHMe-Ph
607	3-C1	2-CF3-Ph
608	3-C1	2-OMe-Ph
609	3-C1	2-SMe-Ph
610	3-C1	2-SOMe-Ph
611	3-C1	2-SO2Me-Ph
612	3-C1	2-OH-Ph
613	3-C1	2-CH2OH-Ph
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616 3-Cl 2-Me-Ph 617 3-Cl 2-Et-Ph 618 3-Cl 2-ipr-Ph 619 3-Cl 2-tBu-Ph 620 3-Cl 2-(1-pyrrolidinyl)-Ph 621 3-Cl 2-(1-pyrrolidinyl)-Ph 622 3-Cl 2-(1-pyrrolidinyl)-Ph 623 3-Cl 2-(2-imidazolyl)-Ph 624 3-Cl 2-(2-imidazolyl)-Ph 625 3-Cl 2-(2-thiazolyl)-Ph 626 3-Cl 2-(3-pyrazolyl)-Ph 627 3-Cl 2-(1-pyrazolyl)-Ph 628 3-Cl 2-(1-pyrazolyl)-Ph 629 3-Cl 2-(5-Me-1-tetrazolyl)-Ph 630 3-Cl 2-(2-pyridyl)-Ph 631 3-Cl 2-(2-pyridyl)-Ph 632 3-Cl 2-(2-finenyl)-Ph 633 3-Cl 2-(2-finenyl)-Ph 634 3-Cl 2-(3-pyrazolyl)-Ph 635 3-Cl 2-(3-pyrazolyl)-Ph 636 3-Cl 2-(3-pyridyl)-Ph 637 3-Cl 3-(3-pyrazolyl)-Ph 638 3-Cl 2-(2-finenyl)-Ph 639 3-Cl 2-(5-dif-Ph 636 3-Cl 3,4-dif-Ph 637 3-Cl 3,5-dif-Ph 638 3-Cl 2,5-dif-Ph 640 3-Cl 3,5-dicl-Ph 641 3-Cl 3,5-dicl-Ph 642 3-Cl 3,5-dicl-Ph 643 3-Cl 3,5-dicl-Ph 644 3-Cl 3,5-dicl-Ph 645 3-Cl 3,5-dicl-Ph 646 3-Cl 3,5-dicl-Ph 647 3-Cl 3-5-Cl-2-Me-Ph 648 3-Cl 3-5-Cl-2-Me-Ph 649 3-Cl 3-F-5-morpholino-Ph 649 3-Cl 3-F-5-morpholino-Ph 640 3-Cl 3-Cl-2-Me-Ph 651 3-Cl 2-MeO-4-(1-Me-5-tetrazolyl)-Ph 652 3-Cl 2-MeO-5-(ONH2-Ph 653 3-Cl 2-meO-5-(1-Me-5-tetrazolyl)-Ph 654 3-Cl 2-meO-5-(1-Me-5-tetrazolyl)-Ph 655 3-Cl 2-meO-5-(1-Me-5-tetrazolyl)-Ph 656 3-Cl 2-maphthyl 657 3-Cl 2-meO-5-(1-Me-5-tetrazolyl)-Ph 658 3-Cl 2-maphthyl 659 3-Cl 2-maphthyl 660 3-Cl 2-maphthyl 661 3-Cl 2-pyridyl 663 3-Cl 3-pyridyl 664 3-Cl 3-pyridyl 665 3-Cl 3-pyridyl 666 3-Cl 3-pyridyl 667 3-Cl 3-pyridyl 668 3-Cl 3-pyridyl 669 3-Cl 3-pyridyl 660 3-Cl 3-pyridyl	616 3-Cl 2-Me-Ph 617 3-Cl 2-Et-Ph 618 3-Cl 2-ipr-Ph 619 3-Cl 2-tBu-Ph 620 3-Cl 2-(1-ppredianyl) -Ph 621 3-Cl 2-(1-ppredianyl) -Ph 622 3-Cl 2-(1-pyrrolidinyl) -Ph 623 3-Cl 2-(1-pyrrolidinyl) -Ph 624 3-Cl 2-(1-imidazolyl) -Ph 625 3-Cl 2-(2-thiazolyl) -Ph 626 3-Cl 2-(3-pyrazolyl) -Ph 627 3-Cl 2-(1-pyrrolidinyl) -Ph 628 3-Cl 2-(1-pyrazolyl) -Ph 629 3-Cl 2-(1-pyrazolyl) -Ph 629 3-Cl 2-(1-pyrazolyl) -Ph 630 3-Cl 2-(1-pyrazolyl) -Ph 631 3-Cl 2-(1-pyrazolyl) -Ph 632 3-Cl 2-(1-pyrazolyl) -Ph 633 3-Cl 2-(1-pyridyl) -Ph 634 3-Cl 2-(2-thianyl) -Ph 635 3-Cl 2-(2-furanyl) -Ph 636 3-Cl 2-(2-furanyl) -Ph 637 3-Cl 2-(3-pyrazolyl) -Ph 638 3-Cl 2-(1-pyridyl) -Ph 639 3-Cl 2-(1-pyridyl) -Ph 630 3-Cl 2-(1-pyridyl) -Ph 630 3-Cl 2-(1-pyridyl) -Ph 631 3-Cl 2-(1-pyridyl) -Ph 632 3-Cl 2-(1-pyridyl) -Ph 633 3-Cl 2-(1-pyridyl) -Ph 634 3-Cl 2-(1-pyridyl) -Ph 635 3-Cl 2-(1-pyridyl) -Ph 636 3-Cl 3-(1-ph 637 3-Cl 3-(1-ph) 638 3-Cl 3-(1-ph) 640 3-Cl 3-(1-ph) 640 3-Cl 3-(1-ph) 640 3-Cl 3-(1-ph) 640 3-Cl 3-(1-ph) 640 3-Cl 3-(1-ph) 641 3-Cl 3-(1-ph) 642 3-Cl 3-(1-ph) 643 3-Cl 3-(1-ph) 644 3-Cl 3-(1-ph) 645 3-Cl 3-(1-ph) 646 3-Cl 3-(1-ph) 657 3-Cl 2-MeO-4-(1-Me-5-tetrazolyl) -Ph 659 3-Cl 2-MeO-5-(1-Me-5-tetrazolyl) -Ph 650 3-Cl 2-maphthyl 651 3-Cl 2-maphthyl 653 3-Cl 2-maphthyl 663 3-Cl 3-pyridyl 664 3-Cl 3-pyridyl 665 3-Cl 3-pyridyl 666 3-Cl 3-pyridyl 667 3-Cl 3-pyridyl 668 3-Cl 3-pyridyl 669 3-Cl 3-pyridyl 660 3-Cl 3-pyridyl 661 3-Cl 3-pyridyl 663 3-Cl 3-pyridyl 664 3-Cl 3-pyridyl 665 3-Cl 3-pyridyl 666 3-Cl 3-pyridyl 667 3-Cl 3-pyridyl 667 3-Cl 5-indolyl	614	3-C1	2-CHOHMe-Ph
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620 3-C1 2-(1-piperidiny1)-Ph 621 3-C1 2-(1-piperidiny1)-Ph 622 3-C1 2-(1-piperidiny1)-Ph 623 3-C1 2-(1-imidazoly1)-Ph 624 3-C1 2-(1-imidazoly1)-Ph 625 3-C1 2-(2-thiazoly1)-Ph 626 3-C1 2-(3-pyrazoly1)-Ph 627 3-C1 2-(1-imidazoly1)-Ph 628 3-C1 2-(1-pyrazoly1)-Ph 629 3-C1 2-(1-pyrazoly1)-Ph 629 3-C1 2-(1-Me-5-tetrazoly1)-Ph 630 3-C1 2-(1-Me-5-tetrazoly1)-Ph 631 3-C1 2-(2-pyridy1)-Ph 632 3-C1 2-(2-furany1)-Ph 633 3-C1 2-(2-furany1)-Ph 634 3-C1 2-(2-furany1)-Ph 635 3-C1 2,4-diF-Ph 636 3-C1 2,5-diF-Ph 637 3-C1 3,4-diF-Ph 638 3-C1 3,4-diC1-Ph 639 3-C1 2,5-diC1-Ph 640 3-C1 2,5-diC1-Ph 640 3-C1 2,5-diC1-Ph 641 3-C1 3,5-diC1-Ph 642 3-C1 3,5-diC1-Ph 643 3-C1 3,4-diCF3-Ph 644 3-C1 3,5-diC1-Ph 645 3-C1 3,4-diCF3-Ph 646 3-C1 3,5-diC1-Ph 647 3-C1 3,5-diC1-Ph 648 3-C1 3,5-diC1-Ph 649 3-C1 3,5-diCP3-Ph 650 3-C1 3,4-OCH2O-Ph 650 3-C1 3,4-OCH2O-Ph 650 3-C1 3,4-OCH2O-Ph 651 3-C1 2-MeO-5-(1-Me-5-tetrazoly1)-Ph 653 3-C1 2-MeO-5-(1-Me-5-tetrazoly1)-Ph 654 3-C1 2-MeO-5-(1-Me-5-tetrazoly1)-Ph 655 3-C1 2-meO-5-(1-Me-5-tetrazoly1)-Ph 656 3-C1 2-maphthy1 657 3-C1 2-maphthy1 658 3-C1 2-maphthy1 659 3-C1 2-maphthy1 660 3-C1 3-pyridy1 661 3-C1 3-pyridy1 663 3-C1 3-pyridy1 664 3-C1 3-pyridy1 665 3-C1 3-indoly1 666 3-C1 5-indoly1	620   3-Cl   2-CH2CO2Me-Ph   621   3-Cl   2-(1-piperidinyl)-Ph   622   3-Cl   2-(1-piperidinyl)-Ph   623   3-Cl   2-(1-piperidinyl)-Ph   624   3-Cl   2-(1-imidazolyl)-Ph   625   3-Cl   2-(2-thiazolyl)-Ph   625   3-Cl   2-(2-thiazolyl)-Ph   626   3-Cl   2-(3-pyrazolyl)-Ph   627   3-Cl   2-(5-Me-1-tetrazolyl)-Ph   628   3-Cl   2-(5-Me-1-tetrazolyl)-Ph   629   3-Cl   2-(1-Me-5-tetrazolyl)-Ph   630   3-Cl   2-(2-thienyl)-Ph   631   3-Cl   2-(2-thienyl)-Ph   632   3-Cl   2-(2-thienyl)-Ph   632   3-Cl   2-(2-thienyl)-Ph   633   3-Cl   2-(2-thienyl)-Ph   634   3-Cl   2-(2-thienyl)-Ph   635   3-Cl   2-(3-thienyl)-Ph   636   3-Cl   2-(3-thienyl)-Ph   637   3-Cl   3-(3-thienyl)-Ph   638   3-Cl   2-(3-thienyl)-Ph   639   3-Cl   2-(3-thienyl)-Ph   639   3-Cl   2-(3-thienyl)-Ph   640   3-Cl   3-(3-thienyl)-Ph   640   3-Cl   3-(3-thienyl)-Ph   640   3-Cl   3-(3-thienyl)-Ph   641   3-Cl   3-(3-thienyl)-Ph   642   3-Cl   3-(3-thienyl)-Ph   643   3-Cl   3-(3-thienyl)-Ph   644   3-Cl   3-(3-thienyl)-Ph   645   3-Cl   3-(3-thienyl)-Ph   646   3-Cl   3-(3-thienyl)-Ph   647   3-Cl   3-(3-thienyl)-Ph   650   3-Cl   3-(4-thienyl)-Ph   651   3-Cl   2-MeO-5-(1-Me-5-tetrazolyl)-Ph   653   3-Cl   2-MeO-5-(1-Me-5-tetrazolyl)-Ph   654   3-Cl   2-MeO-5-(1-Me-5-tetrazolyl)-Ph   655   3-Cl   2-MeO-5-(1-Me-5-tetrazolyl)-Ph   656   3-Cl   2-maphthyl   657   3-Cl   2-meO-5-(1-Me-5-tetrazolyl)-Ph   656   3-Cl   2-maphthyl   657   3-Cl   2-meO-5-(1-Me-5-tetrazolyl)-Ph   656   3-Cl   2-maphthyl   667   3-Cl   2-maphthyl   668   3-Cl   3-pyridyl   669   3-Cl   3-pyridyl   660   3-Cl   3-pyridyl   666   3-Cl   3-pyridyl   666   3-Cl   3-pyridyl   667   3-Cl   6-indolyl   666   3-Cl   6-indolyl   667   3-Cl   6-indolyl   667   3-Cl   6-indolyl   666   3-Cl   6-indolyl   667   3-Cl   6-indolyl   667   3-Cl   6-indolyl   6-indo			<del> </del>
621   3-Cl   2-(1-piperidinyl)-Ph   622   3-Cl   2-(1-pyrrolidinyl)-Ph   623   3-Cl   2-(2-imidazolyl)-Ph   624   3-Cl   2-(2-imidazolyl)-Ph   625   3-Cl   2-(2-thiazolyl)-Ph   625   3-Cl   2-(2-thiazolyl)-Ph   626   3-Cl   2-(3-pyrazolyl)-Ph   627   3-Cl   2-(1-pyrazolyl)-Ph   628   3-Cl   2-(5-Me-1-tetrazolyl)-Ph   629   3-Cl   2-(1-Me-5-tetrazolyl)-Ph   630   3-Cl   2-(2-pyridyl)-Ph   631   3-Cl   2-(2-thienyl)-Ph   632   3-Cl   2-(2-thienyl)-Ph   633   3-Cl   2-(2-thienyl)-Ph   634   3-Cl   2-(2-thienyl)-Ph   635   3-Cl   2-(3-thienyl)-Ph   636   3-Cl   2-(3-thienyl)-Ph   637   3-Cl   2-(3-thienyl)-Ph   638   3-Cl   2-(3-thienyl)-Ph   639   3-Cl   2-(3-thienyl)-Ph   639   3-Cl   2-(3-thienyl)-Ph   640   3-Cl   3-(3-thienyl)-Ph   641   3-Cl   3-(3-thienyl)-Ph   642   3-Cl   3-(3-thienyl)-Ph   643   3-Cl   3-(3-thienyl)-Ph   644   3-Cl   3-(3-thienyl)-Ph   645   3-Cl   3-(3-thienyl)-Ph   646   3-Cl   3-(3-thienyl)-Ph   647   3-Cl   3-(3-thienyl)-Ph   648   3-Cl   3-(3-thienyl)-Ph   649   3-Cl   3-(3-thienyl)-Ph   649   3-Cl   3-(3-thienyl)-Ph   650   3-Cl   2-MeO-5-(CNH2-Ph   651   3-Cl   2-MeO-5-(CNH2-Ph   652   3-Cl   2-MeO-5-(1-Me-5-tetrazolyl)-Ph   653   3-Cl   2-MeO-5-(1-Me-5-tetrazolyl)-Ph   654   3-Cl   2-MeO-5-(1-Me-5-tetrazolyl)-Ph   656   3-Cl   2-MeO-5-(1-Me-5-tetrazolyl)-Ph   657   3-Cl   2-MeO-5-(1-Me-5-tetrazolyl)-Ph   658   3-Cl   2-MeO-5-(1-Me-5-tetrazolyl)-Ph   659   3-Cl   2-MeO-5-(1-Me-5-tetrazolyl)-Ph   650   3-Cl   2-meDhihyl   657   3-Cl   2-meDhihyl   658   3-Cl   3-thienyl   660   3-Cl   3-thienyl   661   3-Cl   2-pyridyl   662   3-Cl   3-pyridyl   663   3-Cl   3-pyridyl   664   3-Cl   3-pyridyl   665   3-Cl   3-indolyl   666   3-Cl   3-indolyl   666   3-Cl   3-indolyl   666   3-Cl   3-indolyl   5-indolyl   666   3-Cl   5-indolyl   666   3-Cl   5-indolyl   5-i	621   3-Cl   2-(1-piperidinyl)-Ph   622   3-Cl   2-(1-pyrrolidinyl)-Ph   623   3-Cl   2-(1-imidazolyl)-Ph   624   3-Cl   2-(2-timidazolyl)-Ph   625   3-Cl   2-(2-timidazolyl)-Ph   626   3-Cl   2-(3-pyrazolyl)-Ph   626   3-Cl   2-(3-pyrazolyl)-Ph   627   3-Cl   2-(1-me-5-tetrazolyl)-Ph   628   3-Cl   2-(5-me-1-tetrazolyl)-Ph   629   3-Cl   2-(1-me-5-tetrazolyl)-Ph   630   3-Cl   2-(2-pyridyl)-Ph   631   3-Cl   2-(2-thienyl)-Ph   632   3-Cl   2-(2-thienyl)-Ph   632   3-Cl   2-(2-thienyl)-Ph   633   3-Cl   2-(2-thienyl)-Ph   635   3-Cl   2-(3-thienyl)-Ph   636   3-Cl   3-(4-diF-Ph   637   3-Cl   3-(5-diF-Ph   638   3-Cl   3-(5-diCl-Ph   639   3-Cl   3-(5-diCl-Ph   640   3-Cl   3-(5-diCl-Ph   640   3-Cl   3-(5-diCl-Ph   641   3-Cl   3-(5-diCl-Ph   642   3-Cl   3-(5-diCl-Ph   644   3-Cl   3-(5-diCl-Ph   645   3-Cl   3-(5-diCF3-Ph   646   3-Cl   3-(5-diCF3-Ph   647   3-Cl   3-(5-diCF3-Ph   648   3-Cl   3-(5-diCF3-Ph   649   3-Cl   3-(5-diCF3-Ph   650   3-Cl   3-(	619_		2-tBu-Ph
622   3-Cl   2-(1-pyrrolidinyl)-Ph   623   3-Cl   2-(2-imidazolyl)-Ph   624   3-Cl   2-(1-imidazolyl)-Ph   625   3-Cl   2-(2-thiazolyl)-Ph   626   3-Cl   2-(3-pyrazolyl)-Ph   626   3-Cl   2-(3-pyrazolyl)-Ph   627   3-Cl   2-(1-pyrazolyl)-Ph   628   3-Cl   2-(5-Me-1-tetrazolyl)-Ph   629   3-Cl   2-(5-Me-1-tetrazolyl)-Ph   630   3-Cl   2-(2-pyridyl)-Ph   631   3-Cl   2-(2-thienyl)-Ph   632   3-Cl   2-(2-thienyl)-Ph   633   3-Cl   2-(2-thienyl)-Ph   634   3-Cl   2-(2-thienyl)-Ph   635   3-Cl   2-(5-diF-Ph   636   3-Cl   2-(5-diF-Ph   637   3-Cl   3-(5-diF-Ph   638   3-Cl   2-(5-diCl-Ph   640   3-Cl   3-(5-diCl-Ph   640   3-Cl   3-(5-diCl-Ph   641   3-Cl   3-(5-diCl-Ph   642   3-Cl   3-(5-diCl-Ph   643   3-Cl   3-(5-diCl-Ph   644   3-Cl   3-(5-diCl-Ph   645   3-Cl   3-(5-diCl-Ph   645   3-Cl   3-(5-diCF3-Ph   646   3-Cl   3-(5-diCF3-Ph   647   3-Cl   3-(5-diCF3-Ph   648   3-Cl   3-(5-diCF3-Ph   649   3-Cl   3-(5-diCF3-Ph   650   3-Cl   3-(5-diCF3-Ph   651   3-Cl   2-F-5-morpholino-Ph   652   3-Cl   2-MeO-5-(1-Me-5-tetrazolyl)-Ph   653   3-Cl   2-MeO-5-(1-Me-5-tetrazolyl)-Ph   654   3-Cl   3-(5-diCF3-Ph   655   3-Cl   3-(5-diCF3-Ph   656   3-Cl   3-(5-diCF3-Ph   656   3-Cl   3-(5-diCF3-Ph   657   3-Cl   2-MeO-5-(1-Me-5-tetrazolyl)-Ph   656   3-Cl   3-(5-diCH2-5-(1-Me-5-tetrazolyl)-Ph   657   3-Cl   2-MeO-5-(1-Me-5-tetrazolyl)-Ph   658   3-Cl   3-(5-diCH2-5-(1-Me-5-tetrazolyl)-Ph   659   3-Cl   3-(5-diCH2-5-(1-Me-5-tetrazolyl)-Ph   650   3-Cl   3-(5-diCH2-5-(1-Me-5-tetrazolyl)-Ph   656   3-Cl   3-(5-diCH2-5-(1-Me-5-tetrazolyl)-Ph   657   3-Cl   2-meO-5-(1-Me-5-tetrazolyl)-Ph   658   3-Cl   3-(5-diCH2-5-(1-Me-5-tetrazolyl)-Ph   659   3-Cl   3-(5-diCH2-5-(1-Me-5-tetrazolyl)-Ph   659   3-Cl   3-(5-diCH2-5-(1-Me-5-tetrazolyl)-Ph   659   3-Cl   3-(5-diCH2-5-(1-Me-5-tetrazolyl)-Ph   659   3-Cl   3-(5-diCH2-5-(1-Me-5-tetrazolyl)-Ph   650   3-Cl   3-(5-diCH2-5-(1-Me-5-tetrazolyl)-	622   3-Cl   2-(1-pyrrolidinyl)-Ph   623   3-Cl   2-(2-imidazolyl)-Ph   624   3-Cl   2-(1-imidazolyl)-Ph   625   3-Cl   2-(2-thiazolyl)-Ph   626   3-Cl   2-(3-pyrazolyl)-Ph   626   3-Cl   2-(3-pyrazolyl)-Ph   627   3-Cl   2-(5-Me-1-tetrazolyl)-Ph   628   3-Cl   2-(5-Me-1-tetrazolyl)-Ph   629   3-Cl   2-(1-Me-5-tetrazolyl)-Ph   630   3-Cl   2-(2-pyridyl)-Ph   631   3-Cl   2-(2-thianyl)-Ph   632   3-Cl   2-(2-thianyl)-Ph   633   3-Cl   2-(2-thianyl)-Ph   634   3-Cl   2-(2-thianyl)-Ph   635   3-Cl   2-(3-thianyl)-Ph   636   3-Cl   2-(3-thianyl)-Ph   637   3-Cl   2-(3-thianyl)-Ph   638   3-Cl   2-(3-thianyl)-Ph   639   3-Cl   2-(3-thianyl)-Ph   639   3-Cl   2-(3-thianyl)-Ph   640   3-Cl   2-(3-thianyl)-Ph   640   3-Cl   2-(3-thianyl)-Ph   641   3-Cl   3-(3-thianyl)-Ph   642   3-Cl   3-(3-thianyl)-Ph   643   3-Cl   3-(3-thianyl)-Ph   644   3-Cl   3-(3-thianyl)-Ph   645   3-Cl   3-(3-thianyl)-Ph   646   3-Cl   3-(3-thianyl)-Ph   647   3-Cl   3-(3-thianyl)-Ph   648   3-Cl   3-(3-thianyl)-Ph   649   3-Cl   3-(3-thianyl)-Ph   650   3-Cl   3-(4-thianyl)-Ph   651   3-Cl   2-MeO-5-(1-Me-5-tetrazolyl)-Ph   652   3-Cl   2-MeO-5-(1-Me-5-tetrazolyl)-Ph   653   3-Cl   2-MeO-5-(1-Me-5-tetrazolyl)-Ph   654   3-Cl   2-meO-5-(1-Me-5-tetrazolyl)-Ph   655   3-Cl   2-meO-5-(1-Me-5-tetrazolyl)-Ph   656   3-Cl   2-maphthyl   657   3-Cl   2-maphthyl   658   3-Cl   2-maphthyl   659   3-Cl   2-maphthyl   660   3-Cl   2-pyridyl   661   3-Cl   2-pyridyl   662   3-Cl   3-pyridyl   663   3-Cl   3-pyridyl   664   3-Cl   2-indolyl   665   3-Cl   3-indolyl   666   3-Cl   5-indolyl   667   3-Cl   6-indolyl   666   3-Cl   6-indolyl   667   3-Cl   6-indolyl   666   3-Cl   6-indolyl   666   3-Cl   6-indolyl   667   3-Cl   6-indolyl   666   3-Cl   6-indolyl   667   3-Cl   6-indolyl   6-	620	3-C1	2-CH2CO2Me-Ph
623         3-C1         2-(2-imidazoly1)-Ph           624         3-C1         2-(1-imidazoly1)-Ph           625         3-C1         2-(2-thiazoly1)-Ph           626         3-C1         2-(3-pyrazoly1)-Ph           627         3-C1         2-(1-pyrazoly1)-Ph           628         3-C1         2-(1-Me-5-tetrazoly1)-Ph           629         3-C1         2-(2-pyridy1)-Ph           630         3-C1         2-(2-pyridy1)-Ph           631         3-C1         2-(2-thieny1)-Ph           632         3-C1         2-(2-furany1)-Ph           633         3-C1         2,4-diF-Ph           634         3-C1         2,5-diF-Ph           635         3-C1         2,5-diF-Ph           636         3-C1         3,5-diF-Ph           637         3-C1         3,5-diF-Ph           638         3-C1         3,5-diCP-Ph           639         3-C1         2,6-diCl-Ph           640         3-C1         3,4-diCP-Ph           640         3-C1         3,5-diCP-Ph           641         3-C1         3,5-diCP-Ph           642         3-C1         3,5-diCP3-Ph           643         3-C1         3,5	623         3-Cl         2-(1-imidazolyl)-Ph           624         3-Cl         2-(1-imidazolyl)-Ph           625         3-Cl         2-(2-thiazolyl)-Ph           626         3-Cl         2-(3-pyrazolyl)-Ph           627         3-Cl         2-(1-pyrazolyl)-Ph           628         3-Cl         2-(5-Me-1-tetrazolyl)-Ph           629         3-Cl         2-(1-Me-5-tetrazolyl)-Ph           630         3-Cl         2-(2-pyridyl)-Ph           631         3-Cl         2-(2-thienyl)-Ph           631         3-Cl         2-(2-furanyl)-Ph           632         3-Cl         2-(2-furanyl)-Ph           633         3-Cl         2,4-diF-Ph           634         3-Cl         2,5-diF-Ph           635         3-Cl         2,5-diF-Ph           636         3-Cl         3,4-diF-Ph           637         3-Cl         3,5-diF-Ph           638         3-Cl         2,4-diCl-Ph           639         3-Cl         2,5-diCl-Ph           640         3-Cl         2,6-diCl-Ph           641         3-Cl         3,4-diCF3-Ph           642         3-Cl         3,4-diCF3-Ph           644         3-Cl	621	3-C1	2-(1-piperidinyl)-Ph
623         3-C1         2-(2-imidazoly1)-Ph           624         3-C1         2-(1-imidazoly1)-Ph           625         3-C1         2-(2-thiazoly1)-Ph           626         3-C1         2-(3-pyrazoly1)-Ph           627         3-C1         2-(1-pyrazoly1)-Ph           628         3-C1         2-(1-Me-5-tetrazoly1)-Ph           629         3-C1         2-(2-pyridy1)-Ph           630         3-C1         2-(2-pyridy1)-Ph           631         3-C1         2-(2-thieny1)-Ph           632         3-C1         2-(2-furany1)-Ph           633         3-C1         2,4-diF-Ph           634         3-C1         2,5-diF-Ph           635         3-C1         2,5-diF-Ph           636         3-C1         3,5-diF-Ph           637         3-C1         3,5-diF-Ph           638         3-C1         3,5-diCP-Ph           639         3-C1         2,6-diCl-Ph           640         3-C1         3,4-diCP-Ph           640         3-C1         3,5-diCP-Ph           641         3-C1         3,5-diCP-Ph           642         3-C1         3,5-diCP3-Ph           643         3-C1         3,5	623         3-Cl         2-(1-imidazolyl)-Ph           624         3-Cl         2-(1-imidazolyl)-Ph           625         3-Cl         2-(2-thiazolyl)-Ph           626         3-Cl         2-(3-pyrazolyl)-Ph           627         3-Cl         2-(1-pyrazolyl)-Ph           628         3-Cl         2-(5-Me-1-tetrazolyl)-Ph           629         3-Cl         2-(1-Me-5-tetrazolyl)-Ph           630         3-Cl         2-(2-pyridyl)-Ph           631         3-Cl         2-(2-thienyl)-Ph           631         3-Cl         2-(2-furanyl)-Ph           632         3-Cl         2-(2-furanyl)-Ph           633         3-Cl         2,4-diF-Ph           634         3-Cl         2,5-diF-Ph           635         3-Cl         2,5-diF-Ph           636         3-Cl         3,4-diF-Ph           637         3-Cl         3,5-diF-Ph           638         3-Cl         2,4-diCl-Ph           639         3-Cl         2,5-diCl-Ph           640         3-Cl         2,6-diCl-Ph           641         3-Cl         3,4-diCF3-Ph           642         3-Cl         3,4-diCF3-Ph           644         3-Cl	622	3-C1	2-(1-pyrrolidinyl)-Ph
624         3-Cl         2-(2-thiazolyl)-Ph           625         3-Cl         2-(2-thiazolyl)-Ph           626         3-Cl         2-(3-pyrazolyl)-Ph           627         3-Cl         2-(1-pyrazolyl)-Ph           628         3-Cl         2-(5-Me-1-tetrazolyl)-Ph           629         3-Cl         2-(2-byridyl)-Ph           630         3-Cl         2-(2-pyridyl)-Ph           631         3-Cl         2-(2-thienyl)-Ph           632         3-Cl         2-(2-furanyl)-Ph           633         3-Cl         2,4-diF-Ph           634         3-Cl         2,5-diF-Ph           635         3-Cl         2,6-diF-Ph           636         3-Cl         3,5-diF-Ph           637         3-Cl         3,5-diF-Ph           638         3-Cl         2,6-diCl-Ph           639         3-Cl         3,5-diCl-Ph           640         3-Cl         2,6-diCl-Ph           641         3-Cl         3,5-diCl-Ph           642         3-Cl         3,5-diCl-Ph           643         3-Cl         3,5-diCl-Ph           644         3-Cl         3,5-diCl-Ph           644         3-Cl         3,5-diCl-Ph </td <td>  624   3-Cl   2-(1-imidazolyl)-Ph   625   3-Cl   2-(2-thiazolyl)-Ph   626   3-Cl   2-(3-pyrazolyl)-Ph   627   3-Cl   2-(1-pyrazolyl)-Ph   628   3-Cl   2-(5-Me-1-tetrazolyl)-Ph   628   3-Cl   2-(5-Me-1-tetrazolyl)-Ph   629   3-Cl   2-(1-Me-5-tetrazolyl)-Ph   630   3-Cl   2-(2-pyridyl)-Ph   631   3-Cl   2-(2-thienyl)-Ph   632   3-Cl   2-(2-thienyl)-Ph   633   3-Cl   2-(2-thienyl)-Ph   634   3-Cl   2-(5-dif-Ph   3-cl   2-(5-dif-Ph   3-cl   3-cl   3-(5-dif-Ph   3-cl   3-cl   3-(5-dif-Ph   3-(5-dif-Ph   3-cl   3-(5-dif-Ph   3-(5-dif</td> <td>623</td> <td>3-C1</td> <td>2-(2-imidazolyl)-Ph</td>	624   3-Cl   2-(1-imidazolyl)-Ph   625   3-Cl   2-(2-thiazolyl)-Ph   626   3-Cl   2-(3-pyrazolyl)-Ph   627   3-Cl   2-(1-pyrazolyl)-Ph   628   3-Cl   2-(5-Me-1-tetrazolyl)-Ph   628   3-Cl   2-(5-Me-1-tetrazolyl)-Ph   629   3-Cl   2-(1-Me-5-tetrazolyl)-Ph   630   3-Cl   2-(2-pyridyl)-Ph   631   3-Cl   2-(2-thienyl)-Ph   632   3-Cl   2-(2-thienyl)-Ph   633   3-Cl   2-(2-thienyl)-Ph   634   3-Cl   2-(5-dif-Ph   3-cl   2-(5-dif-Ph   3-cl   3-cl   3-(5-dif-Ph   3-cl   3-cl   3-(5-dif-Ph   3-(5-dif-Ph   3-cl   3-(5-dif-Ph   3-(5-dif	623	3-C1	2-(2-imidazolyl)-Ph
625         3-C1         2-(2-thiazoly1)-Ph           626         3-C1         2-(3-pyrazoly1)-Ph           627         3-C1         2-(1-pyrazoly1)-Ph           628         3-C1         2-(5-Me-1-tetrazoly1)-Ph           629         3-C1         2-(1-Me-5-tetrazoly1)-Ph           630         3-C1         2-(2-pyridy1)-Ph           631         3-C1         2-(2-thieny1)-Ph           632         3-C1         2-(2-furany1)-Ph           633         3-C1         2-(2-furany1)-Ph           633         3-C1         2-(2-furany1)-Ph           634         3-C1         2-(5-diF-Ph           635         3-C1         2,5-diF-Ph           636         3-C1         3,5-diF-Ph           637         3-C1         3,5-diC1-Ph           638         3-C1         2,5-diC1-Ph           640         3-C1         2,5-diC1-Ph           640         3-C1         3,4-diC1-Ph           641         3-C1         3,4-diC1-Ph           642         3-C1         3,5-diC1-Ph           643         3-C1         3,4-diC1-Ph           644         3-C1         3,5-diC1-Ph           645         3-C1 <td< td=""><td>625         3-C1         2-(2-thiazoly1)-Ph           626         3-C1         2-(3-pyrazoly1)-Ph           627         3-C1         2-(1-pyrazoly1)-Ph           628         3-C1         2-(5-Me-1-tetrazoly1)-Ph           629         3-C1         2-(1-Me-5-tetrazoly1)-Ph           630         3-C1         2-(2-pyridy1)-Ph           631         3-C1         2-(2-thieny1)-Ph           632         3-C1         2-(2-furany1)-Ph           633         3-C1         2-(5-diF-Ph           634         3-C1         2-(5-diF-Ph           635         3-C1         2-(5-diF-Ph           636         3-C1         3-(5-diF-Ph           637         3-C1         3-(5-diF-Ph           638         3-C1         3-(5-diF-Ph           639         3-C1         3-(5-diF-Ph           640         3-C1         3-(5-diF-Ph           641         3-C1         3-(5-diF-Ph           642         3-C1         3-(5-diF-Ph           643         3-C1         3-(5-diF-Ph           644         3-C1         3-(5-diF-Ph           642         3-C1         3-(5-diF-Ph           643         3-C1         3-(5-di</td><td></td><td></td><td></td></td<>	625         3-C1         2-(2-thiazoly1)-Ph           626         3-C1         2-(3-pyrazoly1)-Ph           627         3-C1         2-(1-pyrazoly1)-Ph           628         3-C1         2-(5-Me-1-tetrazoly1)-Ph           629         3-C1         2-(1-Me-5-tetrazoly1)-Ph           630         3-C1         2-(2-pyridy1)-Ph           631         3-C1         2-(2-thieny1)-Ph           632         3-C1         2-(2-furany1)-Ph           633         3-C1         2-(5-diF-Ph           634         3-C1         2-(5-diF-Ph           635         3-C1         2-(5-diF-Ph           636         3-C1         3-(5-diF-Ph           637         3-C1         3-(5-diF-Ph           638         3-C1         3-(5-diF-Ph           639         3-C1         3-(5-diF-Ph           640         3-C1         3-(5-diF-Ph           641         3-C1         3-(5-diF-Ph           642         3-C1         3-(5-diF-Ph           643         3-C1         3-(5-diF-Ph           644         3-C1         3-(5-diF-Ph           642         3-C1         3-(5-diF-Ph           643         3-C1         3-(5-di			
626         3-Cl         2-(3-pyrazolyl)-Ph           627         3-Cl         2-(1-pyrazolyl)-Ph           628         3-Cl         2-(5-Me-1-tetrazolyl)-Ph           629         3-Cl         2-(1-Me-5-tetrazolyl)-Ph           630         3-Cl         2-(2-pyridyl)-Ph           631         3-Cl         2-(2-thienyl)-Ph           632         3-Cl         2-(2-furanyl)-Ph           633         3-Cl         2,4-diF-Ph           634         3-Cl         2,5-diF-Ph           635         3-Cl         3,4-diF-Ph           636         3-Cl         3,5-diF-Ph           637         3-Cl         3,5-diCl-Ph           638         3-Cl         2,5-diCl-Ph           639         3-Cl         2,5-diCl-Ph           640         3-Cl         2,5-diCl-Ph           641         3-Cl         3,4-diCl-Ph           642         3-Cl         3,5-diCl-Ph           643         3-Cl         3,5-diCl-Ph           644         3-Cl         3,5-diCl-Ph           645         3-Cl         3,5-diCl-Ph           646         3-Cl         3,4-diCF3-Ph           647         3-Cl         3,5-diCl-Ph	626         3-C1         2-(3-pyrazoly1)-Ph           627         3-C1         2-(1-pyrazoly1)-Ph           628         3-C1         2-(5-Me-1-tetrazoly1)-Ph           629         3-C1         2-(1-Me-5-tetrazoly1)-Ph           630         3-C1         2-(2-pyridy1)-Ph           631         3-C1         2-(2-furany1)-Ph           632         3-C1         2-(2-furany1)-Ph           633         3-C1         2,4-diF-Ph           634         3-C1         2,5-diF-Ph           635         3-C1         3,4-diF-Ph           636         3-C1         3,4-diF-Ph           637         3-C1         3,5-diF-Ph           638         3-C1         2,5-diC1-Ph           639         3-C1         2,5-diC1-Ph           640         3-C1         2,5-diC1-Ph           641         3-C1         3,5-diC1-Ph           642         3-C1         3,5-diC1-Ph           643         3-C1         3,5-diC1-Ph           644         3-C1         3,5-diC1-Ph           645         3-C1         3,5-diC1-Ph           646         3-C1         3,5-diC1-Ph           647         3-C1         3,5-diC1-Ph			
627         3-Cl         2-(1-pyrazolyl)-Ph           628         3-Cl         2-(5-Me-1-tetrazolyl)-Ph           629         3-Cl         2-(1-Me-5-tetrazolyl)-Ph           630         3-Cl         2-(2-pyridyl)-Ph           631         3-Cl         2-(2-furanyl)-Ph           632         3-Cl         2-(2-furanyl)-Ph           633         3-Cl         2,4-diF-Ph           634         3-Cl         2,5-diF-Ph           635         3-Cl         3,4-diF-Ph           636         3-Cl         3,5-diF-Ph           637         3-Cl         3,4-diCl-Ph           639         3-Cl         2,5-diCl-Ph           640         3-Cl         2,6-diCl-Ph           641         3-Cl         3,4-diCl-Ph           642         3-Cl         3,5-diCl-Ph           643         3-Cl         3,5-diCl-Ph           644         3-Cl         3,5-diCl-Ph           644         3-Cl         3,5-diCl-Ph           645         3-Cl         3,5-diCl-Ph           644         3-Cl         3,5-diCl-Ph           645         3-Cl         3,4-diCl-Ph           647         3-Cl         3,5-diCl-Ph <td>627         3-Cl         2-(1-pyrazolyl)-Ph           628         3-Cl         2-(5-Me-1-tetrazolyl)-Ph           629         3-Cl         2-(1-Me-5-tetrazolyl)-Ph           630         3-Cl         2-(2-pyridyl)-Ph           631         3-Cl         2-(2-thienyl)-Ph           631         3-Cl         2-(2-furanyl)-Ph           632         3-Cl         2-(3-diF-Ph           633         3-Cl         2,4-diF-Ph           634         3-Cl         2,5-diF-Ph           635         3-Cl         3,4-diF-Ph           636         3-Cl         3,5-diF-Ph           637         3-Cl         3,5-diF-Ph           638         3-Cl         2,5-diCl-Ph           639         3-Cl         2,5-diCl-Ph           640         3-Cl         3,5-diCl-Ph           641         3-Cl         3,5-diCl-Ph           642         3-Cl         3,5-diCF3-Ph           643         3-Cl         3,5-diCF3-Ph           644         3-Cl         3,5-diCF3-Ph           644         3-Cl         3,5-diCF3-Ph           645         3-Cl         3,5-diCF3-Ph           646         3-Cl         3-Fo-morpholino-Ph<td></td><td></td><td></td></td>	627         3-Cl         2-(1-pyrazolyl)-Ph           628         3-Cl         2-(5-Me-1-tetrazolyl)-Ph           629         3-Cl         2-(1-Me-5-tetrazolyl)-Ph           630         3-Cl         2-(2-pyridyl)-Ph           631         3-Cl         2-(2-thienyl)-Ph           631         3-Cl         2-(2-furanyl)-Ph           632         3-Cl         2-(3-diF-Ph           633         3-Cl         2,4-diF-Ph           634         3-Cl         2,5-diF-Ph           635         3-Cl         3,4-diF-Ph           636         3-Cl         3,5-diF-Ph           637         3-Cl         3,5-diF-Ph           638         3-Cl         2,5-diCl-Ph           639         3-Cl         2,5-diCl-Ph           640         3-Cl         3,5-diCl-Ph           641         3-Cl         3,5-diCl-Ph           642         3-Cl         3,5-diCF3-Ph           643         3-Cl         3,5-diCF3-Ph           644         3-Cl         3,5-diCF3-Ph           644         3-Cl         3,5-diCF3-Ph           645         3-Cl         3,5-diCF3-Ph           646         3-Cl         3-Fo-morpholino-Ph <td></td> <td></td> <td></td>			
628         3-Cl         2-(5-Me-1-tetrazolyl)-Ph           629         3-Cl         2-(1-Me-5-tetrazolyl)-Ph           630         3-Cl         2-(2-pyridyl)-Ph           631         3-Cl         2-(2-thienyl)-Ph           632         3-Cl         2-(2-furanyl)-Ph           633         3-Cl         2,5-diF-Ph           634         3-Cl         2,5-diF-Ph           635         3-Cl         3,4-diF-Ph           637         3-Cl         3,5-diF-Ph           638         3-Cl         2,5-diCl-Ph           639         3-Cl         2,5-diCl-Ph           640         3-Cl         3,5-diCl-Ph           641         3-Cl         3,5-diCl-Ph           642         3-Cl         3,5-diCl-Ph           643         3-Cl         3,5-diCl-Ph           644         3-Cl         3,5-diCl-Ph           643         3-Cl         3,5-diCl-Ph           644         3-Cl         3,5-diCl-Ph           645         3-Cl         3,5-diCl-Ph           644         3-Cl         3,5-diCl-Ph           645         3-Cl         3,5-diCl-Ph           646         3-Cl         3,5-diCl-Ph      <	628         3-Cl         2-(5-Me-1-tetrazolyl)-Ph           639         3-Cl         2-(1-Me-5-tetrazolyl)-Ph           630         3-Cl         2-(2-pyridyl)-Ph           631         3-Cl         2-(2-thienyl)-Ph           632         3-Cl         2-(2-furanyl)-Ph           633         3-Cl         2,4-diF-Ph           634         3-Cl         2,5-diF-Ph           635         3-Cl         3,4-diF-Ph           637         3-Cl         3,5-diF-Ph           638         3-Cl         2,5-diCl-Ph           639         3-Cl         2,5-diCl-Ph           640         3-Cl         3,4-diCl-Ph           641         3-Cl         3,4-diCl-Ph           642         3-Cl         3,4-diCl-Ph           643         3-Cl         3,4-diCl-Ph           644         3-Cl         3,5-diCl-Ph           644         3-Cl         3,4-diCF3-Ph           644         3-Cl         3,5-diCl-Ph           645         3-Cl         3,4-diCF3-Ph           646         3-Cl         3,5-diCF3-Ph           646         3-Cl         3,4-OCH2-Ph           648         3-Cl         3-F-5-morpholino-Ph			
629         3-Cl         2-(1-Me-5-tetrazoly1)-Ph           630         3-Cl         2-(2-pyridy1)-Ph           631         3-Cl         2-(2-thieny1)-Ph           632         3-Cl         2-(2-furany1)-Ph           633         3-Cl         2,4-diF-Ph           634         3-Cl         2,5-diF-Ph           635         3-Cl         3,4-diF-Ph           636         3-Cl         3,5-diF-Ph           637         3-Cl         2,4-diCl-Ph           638         3-Cl         2,5-diCl-Ph           639         3-Cl         2,5-diCl-Ph           640         3-Cl         2,6-diCl-Ph           641         3-Cl         3,5-diCl-Ph           642         3-Cl         3,5-diCl-Ph           643         3-Cl         3,5-diCl-Ph           644         3-Cl         3,5-diCf3-Ph           645         3-Cl         3,5-diCf3-Ph           646         3-Cl         3,5-diCf3-Ph           647         3-Cl         3,5-diCf3-Ph           648         3-Cl         3,5-diCf3-Ph           649         3-Cl         3,4-OCH2O-Ph           640         3-Cl         3,4-OCH2O-Ph	629         3-Cl         2-(1-Me-5-tetrazoly1)-Ph           630         3-Cl         2-(2-pyridy1)-Ph           631         3-Cl         2-(2-thieny1)-Ph           632         3-Cl         2-(2-furany1)-Ph           633         3-Cl         2,4-diF-Ph           634         3-Cl         2,5-diF-Ph           635         3-Cl         2,6-diF-Ph           636         3-Cl         3,5-diF-Ph           637         3-Cl         2,5-diCl-Ph           638         3-Cl         2,5-diCl-Ph           639         3-Cl         2,5-diCl-Ph           640         3-Cl         2,6-diCl-Ph           641         3-Cl         3,4-diCl-Ph           642         3-Cl         3,4-diCl-Ph           643         3-Cl         3,5-diCl-Ph           644         3-Cl         3,5-diCl-Ph           645         3-Cl         3,5-diCl-Ph           644         3-Cl         3,5-diCl-Ph           645         3-Cl         3,5-diCl-Ph           646         3-Cl         3,5-diCl-Ph           647         3-Cl         3,5-diCl-Ph           648         3-Cl         3-F-5-me-Ph           <			
630         3-Cl         2-(2-pyridyl)-Ph           631         3-Cl         2-(2-thienyl)-Ph           632         3-Cl         2-(2-furanyl)-Ph           633         3-Cl         2,4-dif-Ph           634         3-Cl         2,5-dif-Ph           635         3-Cl         3,4-dif-Ph           636         3-Cl         3,5-dif-Ph           637         3-Cl         3,5-diCl-Ph           639         3-Cl         2,5-diCl-Ph           640         3-Cl         3,4-diCl-Ph           641         3-Cl         3,4-diCl-Ph           642         3-Cl         3,5-diCl-Ph           643         3-Cl         3,4-diCF3-Ph           644         3-Cl         3,5-diCl-Ph           643         3-Cl         3,4-diCF3-Ph           644         3-Cl         3,5-diCl-Ph           643         3-Cl         3,4-diCF3-Ph           644         3-Cl         3,5-diCl-Ph           644         3-Cl         3,5-diCl-Ph           645         3-Cl         3,5-diCl-Ph           646         3-Cl         3,5-diCl-Ph           647         3-Cl         3,5-diCl-Ph           648 <td>630         3-Cl         2-(2-thienyl)-Ph           631         3-Cl         2-(2-thienyl)-Ph           632         3-Cl         2-(2-furanyl)-Ph           633         3-Cl         2,4-diF-Ph           634         3-Cl         2,5-diF-Ph           635         3-Cl         2,6-diF-Ph           636         3-Cl         3,4-diF-Ph           637         3-Cl         3,5-diF-Ph           638         3-Cl         2,4-diCl-Ph           639         3-Cl         2,5-diCl-Ph           640         3-Cl         3,4-diCl-Ph           641         3-Cl         3,5-diCl-Ph           642         3-Cl         3,5-diCl-Ph           643         3-Cl         3,5-diCl-Ph           644         3-Cl         3,5-diCl-Ph           643         3-Cl         3,5-diCl-Ph           644         3-Cl         3,5-diCl-Ph           645         3-Cl         3,5-diCl-Ph           644         3-Cl         3,5-diCl-Ph           645         3-Cl         3,5-diCl-Ph           646         3-Cl         3,5-diCl-Ph           647         3-Cl         3,5-diCl-Ph           648</td> <td></td> <td></td> <td></td>	630         3-Cl         2-(2-thienyl)-Ph           631         3-Cl         2-(2-thienyl)-Ph           632         3-Cl         2-(2-furanyl)-Ph           633         3-Cl         2,4-diF-Ph           634         3-Cl         2,5-diF-Ph           635         3-Cl         2,6-diF-Ph           636         3-Cl         3,4-diF-Ph           637         3-Cl         3,5-diF-Ph           638         3-Cl         2,4-diCl-Ph           639         3-Cl         2,5-diCl-Ph           640         3-Cl         3,4-diCl-Ph           641         3-Cl         3,5-diCl-Ph           642         3-Cl         3,5-diCl-Ph           643         3-Cl         3,5-diCl-Ph           644         3-Cl         3,5-diCl-Ph           643         3-Cl         3,5-diCl-Ph           644         3-Cl         3,5-diCl-Ph           645         3-Cl         3,5-diCl-Ph           644         3-Cl         3,5-diCl-Ph           645         3-Cl         3,5-diCl-Ph           646         3-Cl         3,5-diCl-Ph           647         3-Cl         3,5-diCl-Ph           648			
631	631         3-Cl         2-(2-thienyl)-Ph           632         3-Cl         2-(2-furanyl)-Ph           633         3-Cl         2,4-diF-Ph           634         3-Cl         2,5-diF-Ph           635         3-Cl         2,6-diF-Ph           636         3-Cl         3,4-diF-Ph           637         3-Cl         2,4-diCl-Ph           638         3-Cl         2,5-diCl-Ph           640         3-Cl         2,6-diCl-Ph           640         3-Cl         3,4-diCF3-Ph           641         3-Cl         3,5-diCF3-Ph           642         3-Cl         3,5-diCF3-Ph           643         3-Cl         3,5-diCF3-Ph           644         3-Cl         3,5-diCF3-Ph           645         3-Cl         3,5-diCF3-Ph           645         3-Cl         3,5-diCF3-Ph           645         3-Cl         3,5-diCF3-Ph           646         3-Cl         3,5-diCF3-Ph           647         3-Cl         3,5-diCF3-Ph           648         3-Cl         3,5-diCF3-Ph           649         3-Cl         3-F-5-morpholino-Ph           649         3-Cl         3-F-5-morpholino-Ph			2-(2-pyridyl)-Ph
632         3-C1         2-(2-furany1)-Ph           633         3-C1         2,4-diF-Ph           634         3-C1         2,5-diF-Ph           635         3-C1         2,6-diF-Ph           636         3-C1         3,4-diF-Ph           637         3-C1         3,5-diF-Ph           638         3-C1         2,4-diCl-Ph           639         3-C1         2,5-diCl-Ph           640         3-C1         2,6-diCl-Ph           641         3-C1         3,4-diCF3-Ph           642         3-C1         3,5-diCF3-Ph           643         3-C1         3,5-diCF3-Ph           644         3-C1         3,5-diCF3-Ph           645         3-C1         5-C1-2-MeO-Ph           646         3-C1         5-C1-2-MeO-Ph           647         3-C1         5-F-5-Me-Ph           648         3-C1         3,4-OCH2O-Ph           649         3-C1         3,4-OCH2O-Ph           650         3-C1         3,4-OCH2CH2O-Ph           651         3-C1         2-MeO-5-CONH2-Ph           652         3-C1         2-MeO-5-(1-Me-5-tetrazoly1)-Ph           653         3-C1         2-MeO-5-(1-Me-5-tetrazoly1)-Ph<	632         3-Cl         2-(2-furanyl)-Ph           633         3-Cl         2,4-diF-Ph           634         3-Cl         2,5-diF-Ph           635         3-Cl         2,6-diF-Ph           636         3-Cl         3,4-diF-Ph           637         3-Cl         3,5-diF-Ph           638         3-Cl         2,4-diCl-Ph           639         3-Cl         2,5-diCl-Ph           640         3-Cl         3,4-diCF-Ph           641         3-Cl         3,5-diCl-Ph           642         3-Cl         3,5-diCF-Ph           643         3-Cl         3,5-diCF3-Ph           644         3-Cl         3,5-diCF3-Ph           645         3-Cl         3,5-diCF3-Ph           646         3-Cl         3,4-diCF3-Ph           645         3-Cl         3,5-diCF3-Ph           646         3-Cl         3,4-diCF3-Ph           647         3-Cl         3,4-diCF3-Ph           648         3-Cl         3,4-diCF3-Ph           649         3-Cl         3,4-OCH2-Ph           648         3-Cl         3-F-5-morpholino-Ph           651         3-Cl         3,4-OCH2O-Ph           652<			
633	633			
634         3-Cl         2,5-diF-Ph           635         3-Cl         2,6-diF-Ph           636         3-Cl         3,4-diF-Ph           637         3-Cl         3,5-diF-Ph           638         3-Cl         2,4-diCl-Ph           639         3-Cl         2,5-diCl-Ph           640         3-Cl         3,4-diCl-Ph           641         3-Cl         3,5-diCl-Ph           642         3-Cl         3,5-diCF3-Ph           643         3-Cl         3,5-diCF3-Ph           644         3-Cl         3,5-diCF3-Ph           645         3-Cl         3,5-diCF3-Ph           645         3-Cl         3,5-diCF3-Ph           644         3-Cl         3,5-diCF3-Ph           645         3-Cl         3,5-diCF3-Ph           646         3-Cl         3,5-diCF3-Ph           647         3-Cl         3,5-diCF3-Ph           648         3-Cl         3-Cl-2-MeO-Ph           649         3-Cl         3-F-5-morpholino-Ph           650         3-Cl         3,4-OCH2CH2O-Ph           651         3-Cl         2-MeO-5-CONH2-Ph           652         3-Cl         2-MeO-5-CONH2-Ph	634         3-C1         2,5-diF-Ph           635         3-C1         2,6-diF-Ph           636         3-C1         3,4-diF-Ph           637         3-C1         3,5-diF-Ph           638         3-C1         2,4-diCl-Ph           639         3-C1         2,5-diCl-Ph           640         3-C1         3,4-diCl-Ph           641         3-C1         3,4-diCF3-Ph           642         3-C1         3,5-diCl-Ph           643         3-C1         3,5-diCF3-Ph           644         3-C1         3,5-diCF3-Ph           645         3-C1         5-Cl-2-MeO-Ph           646         3-C1         5-Cl-2-MeO-Ph           647         3-C1         3-F-5-morpholino-Ph           648         3-C1         3-F-5-morpholino-Ph           649         3-C1         3,4-OCH2O-Ph           650         3-C1         3,4-OCH2CH2O-Ph           651         3-C1         2-MeO-5-CONH2-Ph           652         3-C1         2-MeO-5-(1-Me-5-tetrazoly1)-Ph           653         3-C1         2-MeO-5-(1-Me-5-tetrazoly1)-Ph           654         3-C1         2-naphthyl           655         3-C1         2-n			2-(2-1ulany1)-Fii
635         3-Cl         3,4-diF-Ph           636         3-Cl         3,5-diF-Ph           638         3-Cl         2,4-diCl-Ph           639         3-Cl         2,5-diCl-Ph           640         3-Cl         2,6-diCl-Ph           641         3-Cl         3,4-diCF3-Ph           642         3-Cl         3,5-diCF3-Ph           643         3-Cl         3,5-diCF3-Ph           644         3-Cl         5-Cl-2-MeO-Ph           645         3-Cl         5-Cl-2-MeO-Ph           646         3-Cl         5-Cl-2-MeO-Ph           648         3-Cl         3-F-5-morpholino-Ph           649         3-Cl         3,4-OCH2O-Ph           650         3-Cl         3,4-OCH2CH2O-Ph           651         3-Cl         2-MeO-5-CONH2-Ph           652         3-Cl         2-MeO-5-(1-Me-5-tetrazolyl)-Ph           653         3-Cl         3-CONH2-5-(1-Me-5-tetrazolyl)-Ph           654         3-Cl         3-CONH2-5-(1-Me-5-tetrazolyl)-Ph           655         3-Cl         2-naphthyl           656         3-Cl         2-naphthyl           657         3-Cl         2-thienyl           658         3-Cl	635         3-Cl         2,6-diF-Ph           636         3-Cl         3,4-diF-Ph           637         3-Cl         3,5-diF-Ph           638         3-Cl         2,4-diCl-Ph           639         3-Cl         2,5-diCl-Ph           640         3-Cl         3,4-diCl-Ph           641         3-Cl         3,5-diCl-Ph           642         3-Cl         3,5-diCF3-Ph           643         3-Cl         3,5-diCF3-Ph           644         3-Cl         3,5-diCF3-Ph           645         3-Cl         3,5-diCF3-Ph           645         3-Cl         3,5-diCF3-Ph           646         3-Cl         3,5-diCF3-Ph           647         3-Cl         3-F-5-Me-Ph           648         3-Cl         2-F-5-Me-Ph           649         3-Cl         3,4-OCH2O-Ph           650         3-Cl         3,4-OCH2O-Ph           651         3-Cl         2-MeO-5-CONH2-Ph           652         3-Cl         2-MeO-5-(1-Me-5-tetrazolyl)-Ph           653         3-Cl         2-MeO-5-(1-Me-5-tetrazolyl)-Ph           654         3-Cl         2-naphthyl           655         3-Cl         2-tinenyl <td></td> <td></td> <td></td>			
636 3-Cl 3,4-diF-Ph 637 3-Cl 3,5-diF-Ph 638 3-Cl 2,4-diCl-Ph 639 3-Cl 2,5-diCl-Ph 640 3-Cl 2,6-diCl-Ph 641 3-Cl 3,4-diCl-Ph 642 3-Cl 3,4-diCl-Ph 643 3-Cl 3,5-diCl-Ph 644 3-Cl 3,5-diCl-Ph 645 3-Cl 3,5-diCF3-Ph 646 3-Cl 5-Cl-2-Me-Ph 647 3-Cl 5-Cl-2-Me-Ph 648 3-Cl 5-Cl-2-Me-Ph 649 3-Cl 3-F-5-morpholino-Ph 649 3-Cl 3,4-OCH2C-Ph 650 3-Cl 3,4-OCH2C-Ph 651 3-Cl 2-MeO-5-CONH2-Ph 652 3-Cl 2-MeO-5-(1-Me-5-tetrazolyl)-Ph 653 3-Cl 3-CNH2-5-(1-Me-5-tetrazolyl)-Ph 654 3-Cl 3-CNH2-5-(1-Me-5-tetrazolyl)-Ph 655 3-Cl 2-maphthyl 656 3-Cl 2-naphthyl 657 3-Cl 2-thienyl 658 3-Cl 3-thienyl 659 3-Cl 3-pyridyl 661 3-Cl 3-pyridyl 662 3-Cl 3-pyridyl 663 3-Cl 2-indolyl 665 3-Cl 3-indolyl 665 3-Cl 3-indolyl	636			2,5-dif-Ph
637         3-Cl         3,5-diF-Ph           638         3-Cl         2,4-diCl-Ph           639         3-Cl         2,5-diCl-Ph           640         3-Cl         2,6-diCl-Ph           641         3-Cl         3,4-diCl-Ph           642         3-Cl         3,5-diCl-Ph           643         3-Cl         3,5-diCF3-Ph           644         3-Cl         3,5-diCF3-Ph           645         3-Cl         5-Cl-2-MeO-Ph           646         3-Cl         5-Cl-2-MeO-Ph           647         3-Cl         2-F-5-Me-Ph           648         3-Cl         3,4-OCH2O-Ph           650         3-Cl         3,4-OCH2CH2O-Ph           651         3-Cl         2-MeO-5-CONH2-Ph           652         3-Cl         2-MeO-5-(1-Me-5-tetrazolyl)-Ph           653         3-Cl         2-MeO-5-(1-Me-5-tetrazolyl)-Ph           654         3-Cl         3-CONH2-5-(1-Me-5-tetrazolyl)-Ph           655         3-Cl         2-naphthyl           656         3-Cl         2-naphthyl           657         3-Cl         2-thienyl           658         3-Cl         3-thienyl           659         3-Cl         3	637         3-Cl         3,5-diF-Ph           638         3-Cl         2,4-diCl-Ph           639         3-Cl         2,5-diCl-Ph           640         3-Cl         2,6-diCl-Ph           641         3-Cl         3,4-diCl-Ph           642         3-Cl         3,5-diCl-Ph           643         3-Cl         3,5-diCF3-Ph           644         3-Cl         3,5-diCF3-Ph           645         3-Cl         5-Cl-2-MeO-Ph           646         3-Cl         5-Cl-2-MeO-Ph           647         3-Cl         3-F-5-morpholino-Ph           648         3-Cl         3,4-OCH2O-Ph           649         3-Cl         3,4-OCH2O-Ph           650         3-Cl         3,4-OCH2O-Ph           651         3-Cl         2-MeO-5-CONH2-Ph           652         3-Cl         2-MeO-5-(1-Me-5-tetrazolyl)-Ph           653         3-Cl         2-MeO-5-(1-Me-5-tetrazolyl)-Ph           654         3-Cl         3-CONH2-5-(1-Me-5-tetrazolyl)-Ph           655         3-Cl         2-naphthyl           657         3-Cl         2-naphthyl           658         3-Cl         3-thienyl           659         3-Cl			2,6-d1F-Ph
638         3-Cl         2,4-diCl-Ph           639         3-Cl         2,5-diCl-Ph           640         3-Cl         2,6-diCl-Ph           641         3-Cl         3,4-diCl-Ph           642         3-Cl         3,5-diCl-Ph           643         3-Cl         3,4-diCF3-Ph           644         3-Cl         3,5-diCF3-Ph           645         3-Cl         5-Cl-2-MeO-Ph           646         3-Cl         5-Cl-2-MeO-Ph           647         3-Cl         2-F-5-Me-Ph           648         3-Cl         3,4-OCH2O-Ph           650         3-Cl         3,4-OCH2CH2O-Ph           651         3-Cl         2-MeO-5-CONH2-Ph           652         3-Cl         2-MeO-5-(1-Me-5-tetrazolyl)-Ph           653         3-Cl         2-MeO-5-(1-Me-5-tetrazolyl)-Ph           654         3-Cl         3-CONH2-5-(1-Me-5-tetrazolyl)-Ph           655         3-Cl         2-naphthyl           656         3-Cl         2-naphthyl           657         3-Cl         2-thienyl           658         3-Cl         3-thienyl           659         3-Cl         3-furanyl           661         3-Cl         3-	638         3-Cl         2,4-diCl-Ph           639         3-Cl         2,5-diCl-Ph           640         3-Cl         2,6-diCl-Ph           641         3-Cl         3,4-diCl-Ph           642         3-Cl         3,5-diCl-Ph           643         3-Cl         3,5-diCf3-Ph           644         3-Cl         3,5-diCf3-Ph           645         3-Cl         5-Cl-2-MeO-Ph           646         3-Cl         5-Cl-2-MeO-Ph           647         3-Cl         2-F-5-Me-Ph           648         3-Cl         3,4-OCH2O-Ph           649         3-Cl         3,4-OCH2CH2O-Ph           650         3-Cl         2-MeO-5-CONH2-Ph           651         3-Cl         2-MeO-5-CONH2-Ph           652         3-Cl         2-MeO-5-(1-Me-5-tetrazolyl)-Ph           653         3-Cl         2-MeO-5-(1-Me-5-tetrazolyl)-Ph           654         3-Cl         3-CONH2-5-(1-Me-5-tetrazolyl)-Ph           655         3-Cl         2-naphthyl           656         3-Cl         2-naphthyl           657         3-Cl         2-thienyl           658         3-Cl         2-pyridyl           660         3-Cl			
639         3-Cl         2,5-diCl-Ph           640         3-Cl         2,6-diCl-Ph           641         3-Cl         3,4-diCl-Ph           642         3-Cl         3,5-diCl-Ph           643         3-Cl         3,5-diCF3-Ph           644         3-Cl         3,5-diCF3-Ph           645         3-Cl         5-Cl-2-MeO-Ph           646         3-Cl         5-Cl-2-MeO-Ph           647         3-Cl         2-F-5-Me-Ph           648         3-Cl         3-F-5-morpholino-Ph           649         3-Cl         3,4-OCH2O-Ph           650         3-Cl         2-MeO-5-CONH2-Ph           651         3-Cl         2-MeO-5-CONH2-Ph           652         3-Cl         2-MeO-5-(1-Me-5-tetrazolyl)-Ph           653         3-Cl         3-CONH2-5-(1-Me-5-tetrazolyl)-Ph           654         3-Cl         3-CONH2-5-(1-Me-5-tetrazolyl)-Ph           655         3-Cl         2-naphthyl           656         3-Cl         2-thienyl           659         3-Cl         2-furanyl           660         3-Cl         3-furanyl           661         3-Cl         3-pyridyl           662         3-Cl	639         3-Cl         2,5-diCl-Ph           640         3-Cl         2,6-diCl-Ph           641         3-Cl         3,4-diCl-Ph           642         3-Cl         3,5-diCl-Ph           643         3-Cl         3,5-diCF3-Ph           644         3-Cl         3,5-diCF3-Ph           645         3-Cl         5-Cl-2-MeO-Ph           646         3-Cl         5-Cl-2-Me-Ph           647         3-Cl         2-F-5-Me-Ph           648         3-Cl         3-F-5-morpholino-Ph           649         3-Cl         3,4-OCH2O-Ph           650         3-Cl         2-MeO-5-CONH2-Ph           651         3-Cl         2-MeO-5-CONH2-Ph           652         3-Cl         2-MeO-5-(1-Me-5-tetrazolyl)-Ph           653         3-Cl         3-CNH2-5-(1-Me-5-tetrazolyl)-Ph           654         3-Cl         3-CNH2-5-(1-Me-5-tetrazolyl)-Ph           655         3-Cl         2-naphthyl           656         3-Cl         2-naphthyl           657         3-Cl         2-thienyl           658         3-Cl         3-thienyl           660         3-Cl         3-pyridyl           661         3-Cl			3,5-d1F-Ph
640         3-Cl         2,6-diCl-Ph           641         3-Cl         3,4-diCl-Ph           642         3-Cl         3,5-diCl-Ph           643         3-Cl         3,4-diCF3-Ph           644         3-Cl         3,5-diCF3-Ph           645         3-Cl         5-Cl-2-MeO-Ph           646         3-Cl         5-Cl-2-Me-Ph           647         3-Cl         2-F-5-Me-Ph           648         3-Cl         3-F-5-morpholino-Ph           649         3-Cl         3,4-OCH2O-Ph           650         3-Cl         2-MeO-5-CONH2-Ph           651         3-Cl         2-MeO-5-CONH2-Ph           652         3-Cl         2-MeO-5-(1-Me-5-tetrazolyl)-Ph           653         3-Cl         3-CONH2-5-(1-Me-5-tetrazolyl)-Ph           654         3-Cl         3-CONH2-5-(1-Me-5-tetrazolyl)-Ph           655         3-Cl         2-naphthyl           656         3-Cl         2-naphthyl           657         3-Cl         2-thienyl           659         3-Cl         3-thienyl           661         3-Cl         3-pyridyl           662         3-Cl         3-pyridyl           663         3-Cl	640         3-Cl         2,6-diCl-Ph           641         3-Cl         3,4-diCl-Ph           642         3-Cl         3,5-diCl-Ph           643         3-Cl         3,4-diCF3-Ph           644         3-Cl         3,5-diCF3-Ph           645         3-Cl         5-Cl-2-MeO-Ph           646         3-Cl         5-Cl-2-Me-Ph           647         3-Cl         2-F-5-Me-Ph           648         3-Cl         3,4-OCH2O-Ph           650         3-Cl         3,4-OCH2CH2O-Ph           651         3-Cl         2-MeO-5-CONH2-Ph           652         3-Cl         2-MeO-5-(1-Me-5-tetrazolyl)-Ph           653         3-Cl         2-MeO-5-(1-Me-5-tetrazolyl)-Ph           654         3-Cl         3-CONH2-5-(1-Me-5-tetrazolyl)-Ph           655         3-Cl         2-naphthyl           656         3-Cl         2-naphthyl           657         3-Cl         2-thienyl           659         3-Cl         3-thienyl           660         3-Cl         3-pyridyl           661         3-Cl         3-pyridyl           662         3-Cl         3-pyridyl           663         3-Cl         3-indol			
641       3-Cl       3,4-diCl-Ph         642       3-Cl       3,5-diCl-Ph         643       3-Cl       3,4-diCF3-Ph         644       3-Cl       3,5-diCF3-Ph         645       3-Cl       5-Cl-2-MeO-Ph         646       3-Cl       5-Cl-2-MeO-Ph         647       3-Cl       2-F-5-Me-Ph         648       3-Cl       3-F-5-morpholino-Ph         649       3-Cl       3,4-OCH2O-Ph         650       3-Cl       2-MeO-5-CONH2-Ph         651       3-Cl       2-MeO-5-CONH2-Ph         652       3-Cl       2-MeO-5-(1-Me-5-tetrazolyl)-Ph         653       3-Cl       2-MeO-5-(1-Me-5-tetrazolyl)-Ph         654       3-Cl       3-CONH2-5-(1-Me-5-tetrazolyl)-Ph         655       3-Cl       2-naphthyl         656       3-Cl       2-naphthyl         657       3-Cl       2-thienyl         658       3-Cl       2-thienyl         660       3-Cl       3-furanyl         661       3-Cl       3-pyridyl         662       3-Cl       3-pyridyl         663       3-Cl       3-indolyl         665       3-Cl       3-indolyl	641         3-Cl         3,4-diCl-Ph           642         3-Cl         3,5-diCl-Ph           643         3-Cl         3,4-diCF3-Ph           644         3-Cl         3,5-diCF3-Ph           645         3-Cl         5-Cl-2-MeO-Ph           646         3-Cl         5-Cl-2-Me-Ph           647         3-Cl         2-F-5-Me-Ph           648         3-Cl         3-F-5-morpholino-Ph           649         3-Cl         3,4-OCH2O-Ph           650         3-Cl         3,4-OCH2CH2O-Ph           651         3-Cl         2-MeO-5-CONH2-Ph           652         3-Cl         2-MeO-5-(1-Me-5-tetrazolyl)-Ph           653         3-Cl         2-MeO-5-(1-Me-5-tetrazolyl)-Ph           654         3-Cl         3-CONH2-5-(1-Me-5-tetrazolyl)-Ph           655         3-Cl         2-naphthyl           656         3-Cl         2-naphthyl           657         3-Cl         2-thienyl           659         3-Cl         2-furanyl           660         3-Cl         3-furanyl           661         3-Cl         3-pyridyl           662         3-Cl         3-indolyl           664         3-Cl <td< td=""><td></td><td></td><td>2,5-diCl-Ph</td></td<>			2,5-diCl-Ph
642       3-Cl       3,5-diCl-Ph         643       3-Cl       3,4-diCF3-Ph         644       3-Cl       3,5-diCF3-Ph         645       3-Cl       5-Cl-2-MeO-Ph         646       3-Cl       5-Cl-2-Me-Ph         647       3-Cl       2-F-5-Me-Ph         648       3-Cl       3-F-5-morpholino-Ph         649       3-Cl       3,4-OCH2O-Ph         650       3-Cl       2-MeO-5-CONH2-Ph         651       3-Cl       2-MeO-5-CONH2-Ph         652       3-Cl       2-MeO-5-(1-Me-5-tetrazoly1)-Ph         653       3-Cl       2-MeO-5-(1-Me-5-tetrazoly1)-Ph         654       3-Cl       3-CONH2-5-(1-Me-5-tetrazoly1)-Ph         655       3-Cl       1-naphthyl         656       3-Cl       2-naphthyl         657       3-Cl       2-thienyl         658       3-Cl       2-thienyl         659       3-Cl       2-furanyl         660       3-Cl       3-pyridyl         661       3-Cl       3-pyridyl         662       3-Cl       3-pyridyl         663       3-Cl       3-indolyl         665       3-Cl       3-indolyl	642         3-C1         3,5-diC1-Ph           643         3-C1         3,4-diCF3-Ph           644         3-C1         3,5-diCF3-Ph           645         3-C1         5-C1-2-MeO-Ph           646         3-C1         5-C1-2-MeO-Ph           647         3-C1         2-F-5-Me-Ph           648         3-C1         3-F-5-morpholino-Ph           649         3-C1         3,4-OCH2O-Ph           650         3-C1         2-MeO-5-CONH2-Ph           651         3-C1         2-MeO-5-CONH2-Ph           652         3-C1         2-MeO-5-(1-Me-5-tetrazoly1)-Ph           653         3-C1         3-CONH2-5-(1-Me-5-tetrazoly1)-Ph           654         3-C1         3-CONH2-5-(1-Me-5-tetrazoly1)-Ph           655         3-C1         2-naphthy1           656         3-C1         2-naphthy1           657         3-C1         2-thieny1           658         3-C1         3-thieny1           660         3-C1         3-pyridy1           661         3-C1         3-pyridy1           662         3-C1         3-pyridy1           663         3-C1         3-indoly1           665         3-C1         <			2,6-diCl-Ph
643         3-Cl         3,4-diCF3-Ph           644         3-Cl         3,5-diCF3-Ph           645         3-Cl         5-Cl-2-MeO-Ph           646         3-Cl         5-Cl-2-Me-Ph           647         3-Cl         2-F-5-Me-Ph           648         3-Cl         3-F-5-morpholino-Ph           649         3-Cl         3,4-OCH2O-Ph           650         3-Cl         2-MeO-5-CONH2-Ph           651         3-Cl         2-MeO-5-CONH2-Ph           652         3-Cl         2-MeO-5-(1-Me-5-tetrazolyl)-Ph           653         3-Cl         3-CONH2-5-(1-Me-5-tetrazolyl)-Ph           654         3-Cl         3-CONH2-5-(1-Me-5-tetrazolyl)-Ph           655         3-Cl         2-naphthyl           656         3-Cl         2-naphthyl           657         3-Cl         2-thienyl           658         3-Cl         3-thienyl           659         3-Cl         3-furanyl           660         3-Cl         3-pyridyl           661         3-Cl         3-pyridyl           662         3-Cl         3-pyridyl           663         3-Cl         3-indolyl           665         3-Cl	643         3-Cl         3,4-diCF3-Ph           644         3-Cl         3,5-diCF3-Ph           645         3-Cl         5-Cl-2-MeO-Ph           646         3-Cl         5-Cl-2-Me-Ph           647         3-Cl         2-F-5-Me-Ph           648         3-Cl         3-F-5-morpholino-Ph           649         3-Cl         3,4-OCH2O-Ph           650         3-Cl         2-MeO-5-CONH2-Ph           651         3-Cl         2-MeO-5-CONH2-Ph           652         3-Cl         2-MeO-5-(1-Me-5-tetrazolyl)-Ph           653         3-Cl         3-CONH2-5-(1-Me-5-tetrazolyl)-Ph           654         3-Cl         3-CONH2-5-(1-Me-5-tetrazolyl)-Ph           655         3-Cl         1-naphthyl           656         3-Cl         2-naphthyl           657         3-Cl         2-thienyl           658         3-Cl         3-thienyl           660         3-Cl         3-furanyl           661         3-Cl         3-pyridyl           662         3-Cl         3-pyridyl           663         3-Cl         3-indolyl           665         3-Cl         3-indolyl           666         3-Cl			3,4-diCl-Ph
644         3-C1         3,5-diCF3-Ph           645         3-C1         5-C1-2-MeO-Ph           646         3-C1         5-C1-2-Me-Ph           647         3-C1         2-F-5-Me-Ph           648         3-C1         3-F-5-morpholino-Ph           649         3-C1         3,4-OCH2O-Ph           650         3-C1         2-MeO-5-CONH2-Ph           651         3-C1         2-MeO-5-CONH2-Ph           652         3-C1         2-MeO-5-(1-Me-5-tetrazoly1)-Ph           653         3-C1         2-MeO-5-(1-Me-5-tetrazoly1)-Ph           654         3-C1         3-CONH2-5-(1-Me-5-tetrazoly1)-Ph           655         3-C1         2-naphthyl           656         3-C1         2-naphthyl           657         3-C1         2-thienyl           658         3-C1         2-furanyl           660         3-C1         3-furanyl           661         3-C1         3-pyridyl           662         3-C1         3-pyridyl           663         3-C1         3-indolyl           665         3-C1         3-indolyl           666         3-C1         5-indolyl <td>644         3-Cl         3,5-diCF3-Ph           645         3-Cl         5-Cl-2-MeO-Ph           646         3-Cl         5-Cl-2-Me-Ph           647         3-Cl         2-F-5-Me-Ph           648         3-Cl         3-F-5-morpholino-Ph           649         3-Cl         3,4-OCH2O-Ph           650         3-Cl         2-MeO-5-CONH2-Ph           651         3-Cl         2-MeO-5-(1-Me-5-tetrazolyl)-Ph           652         3-Cl         2-MeO-5-(1-Me-5-tetrazolyl)-Ph           653         3-Cl         3-CONH2-5-(1-Me-5-tetrazolyl)-Ph           654         3-Cl         3-CONH2-5-(1-Me-5-tetrazolyl)-Ph           655         3-Cl         2-naphthyl           656         3-Cl         2-naphthyl           657         3-Cl         2-thienyl           658         3-Cl         3-thienyl           659         3-Cl         3-furanyl           660         3-Cl         3-pyridyl           661         3-Cl         3-pyridyl           662         3-Cl         3-pyridyl           663         3-Cl         3-indolyl           665         3-Cl         3-indolyl           666         3-Cl</td> <td></td> <td></td> <td>3,5-diCl-Ph</td>	644         3-Cl         3,5-diCF3-Ph           645         3-Cl         5-Cl-2-MeO-Ph           646         3-Cl         5-Cl-2-Me-Ph           647         3-Cl         2-F-5-Me-Ph           648         3-Cl         3-F-5-morpholino-Ph           649         3-Cl         3,4-OCH2O-Ph           650         3-Cl         2-MeO-5-CONH2-Ph           651         3-Cl         2-MeO-5-(1-Me-5-tetrazolyl)-Ph           652         3-Cl         2-MeO-5-(1-Me-5-tetrazolyl)-Ph           653         3-Cl         3-CONH2-5-(1-Me-5-tetrazolyl)-Ph           654         3-Cl         3-CONH2-5-(1-Me-5-tetrazolyl)-Ph           655         3-Cl         2-naphthyl           656         3-Cl         2-naphthyl           657         3-Cl         2-thienyl           658         3-Cl         3-thienyl           659         3-Cl         3-furanyl           660         3-Cl         3-pyridyl           661         3-Cl         3-pyridyl           662         3-Cl         3-pyridyl           663         3-Cl         3-indolyl           665         3-Cl         3-indolyl           666         3-Cl			3,5-diCl-Ph
645         3-C1         5-C1-2-MeO-Ph           646         3-C1         5-C1-2-Me-Ph           647         3-C1         2-F-5-Me-Ph           648         3-C1         3-F-5-morpholino-Ph           649         3-C1         3,4-OCH2CH2O-Ph           650         3-C1         2-MeO-5-CONH2-Ph           651         3-C1         2-MeO-5-CONH2-Ph           652         3-C1         2-MeO-5-(1-Me-5-tetrazolyl)-Ph           653         3-C1         3-CONH2-5-(1-Me-5-tetrazolyl)-Ph           654         3-C1         3-CONH2-5-(1-Me-5-tetrazolyl)-Ph           655         3-C1         2-naphthyl           656         3-C1         2-naphthyl           657         3-C1         2-thienyl           658         3-C1         3-thienyl           659         3-C1         3-furanyl           660         3-C1         3-pyridyl           661         3-C1         3-pyridyl           662         3-C1         4-pyridyl           664         3-C1         2-indolyl           665         3-C1         3-indolyl           666         3-C1         5-indolyl	645         3-C1         5-C1-2-MeO-Ph           646         3-C1         5-C1-2-Me-Ph           647         3-C1         2-F-5-Me-Ph           648         3-C1         3-F-5-morpholino-Ph           649         3-C1         3,4-OCH2O-Ph           650         3-C1         2-MeO-5-CONH2-Ph           651         3-C1         2-MeO-5-CONH2-Ph           652         3-C1         2-MeO-5-(1-Me-5-tetrazoly1)-Ph           653         3-C1         3-CONH2-5-(1-Me-5-tetrazoly1)-Ph           654         3-C1         3-CONH2-5-(1-Me-5-tetrazoly1)-Ph           655         3-C1         2-naphthy1           656         3-C1         2-naphthy1           657         3-C1         2-thieny1           658         3-C1         3-thieny1           659         3-C1         3-furany1           660         3-C1         3-pyridy1           661         3-C1         3-pyridy1           662         3-C1         4-pyridy1           663         3-C1         2-indoly1           665         3-C1         5-indoly1           666         3-C1         5-indoly1			
646       3-Cl       5-Cl-2-Me-Ph         647       3-Cl       2-F-5-Me-Ph         648       3-Cl       3-F-5-morpholino-Ph         649       3-Cl       3,4-OCH2O-Ph         650       3-Cl       2-MeO-5-CONH2-Ph         651       3-Cl       2-MeO-4-(1-Me-5-tetrazolyl)-Ph         652       3-Cl       2-MeO-5-(1-Me-5-tetrazolyl)-Ph         653       3-Cl       3-CONH2-5-(1-Me-5-tetrazolyl)-Ph         654       3-Cl       3-CONH2-5-(1-Me-5-tetrazolyl)-Ph         655       3-Cl       2-naphthyl         656       3-Cl       2-naphthyl         657       3-Cl       2-thienyl         658       3-Cl       3-thienyl         659       3-Cl       3-furanyl         660       3-Cl       3-pyridyl         661       3-Cl       3-pyridyl         662       3-Cl       3-pyridyl         664       3-Cl       2-indolyl         665       3-Cl       3-indolyl         666       3-Cl       5-indolyl	646       3-Cl       5-Cl-2-Me-Ph         647       3-Cl       2-F-5-Me-Ph         648       3-Cl       3-F-5-morpholino-Ph         649       3-Cl       3,4-OCH2O-Ph         650       3-Cl       2-MeO-5-CONH2-Ph         651       3-Cl       2-MeO-5-CONH2-Ph         652       3-Cl       2-MeO-5-(1-Me-5-tetrazolyl)-Ph         653       3-Cl       2-MeO-5-(1-Me-5-tetrazolyl)-Ph         654       3-Cl       3-CONH2-5-(1-Me-5-tetrazolyl)-Ph         655       3-Cl       2-naphthyl         656       3-Cl       2-naphthyl         657       3-Cl       2-thienyl         658       3-Cl       3-thienyl         659       3-Cl       3-furanyl         660       3-Cl       3-pyridyl         661       3-Cl       3-pyridyl         662       3-Cl       3-pyridyl         663       3-Cl       2-indolyl         665       3-Cl       3-indolyl         666       3-Cl       5-indolyl         667       3-Cl       6-indolyl	644		3,5-diCF3-Ph
647       3-C1       2-F-5-Me-Ph         648       3-C1       3-F-5-morpholino-Ph         649       3-C1       3,4-OCH2O-Ph         650       3-C1       2-MeO-5-CONH2-Ph         651       3-C1       2-MeO-4-(1-Me-5-tetrazoly1)-Ph         652       3-C1       2-MeO-5-(1-Me-5-tetrazoly1)-Ph         653       3-C1       3-CONH2-5-(1-Me-5-tetrazoly1)-Ph         654       3-C1       3-CONH2-5-(1-Me-5-tetrazoly1)-Ph         655       3-C1       2-naphthy1         656       3-C1       2-naphthy1         657       3-C1       2-thieny1         659       3-C1       3-thieny1         660       3-C1       3-furany1         661       3-C1       2-pyridy1         662       3-C1       3-pyridy1         663       3-C1       2-indoly1         664       3-C1       2-indoly1         665       3-C1       3-indoly1         666       3-C1       5-indoly1	647       3-C1       2-F-5-Me-Ph         648       3-C1       3-F-5-morpholino-Ph         649       3-C1       3,4-OCH2O-Ph         650       3-C1       2-MeO-5-CONH2-Ph         651       3-C1       2-MeO-4-(1-Me-5-tetrazolyl)-Ph         652       3-C1       2-MeO-5-(1-Me-5-tetrazolyl)-Ph         653       3-C1       3-CONH2-5-(1-Me-5-tetrazolyl)-Ph         654       3-C1       3-CONH2-5-(1-Me-5-tetrazolyl)-Ph         655       3-C1       2-naphthyl         656       3-C1       2-naphthyl         657       3-C1       2-thienyl         658       3-C1       2-thienyl         659       3-C1       3-thienyl         660       3-C1       3-furanyl         661       3-C1       3-pyridyl         662       3-C1       3-pyridyl         663       3-C1       2-indolyl         665       3-C1       3-indolyl         666       3-C1       5-indolyl         667       3-C1       6-indolyl	645	3-C1	5-Cl-2-MeO-Ph
648       3-Cl       3-F-5-morpholino-Ph         649       3-Cl       3,4-OCH2O-Ph         650       3-Cl       3,4-OCH2CH2O-Ph         651       3-Cl       2-MeO-5-CONH2-Ph         652       3-Cl       2-MeO-4-(1-Me-5-tetrazolyl)-Ph         653       3-Cl       2-MeO-5-(1-Me-5-tetrazolyl)-Ph         654       3-Cl       3-CONH2-5-(1-Me-5-tetrazolyl)-Ph         655       3-Cl       2-naphthyl         656       3-Cl       2-naphthyl         657       3-Cl       2-thienyl         658       3-Cl       3-thienyl         659       3-Cl       2-furanyl         660       3-Cl       3-furanyl         661       3-Cl       3-pyridyl         662       3-Cl       3-pyridyl         663       3-Cl       2-indolyl         665       3-Cl       3-indolyl         666       3-Cl       5-indolyl	648       3-Cl       3-F-5-morpholino-Ph         649       3-Cl       3,4-OCH2O-Ph         650       3-Cl       3,4-OCH2CH2O-Ph         651       3-Cl       2-MeO-5-CONH2-Ph         652       3-Cl       2-MeO-4-(1-Me-5-tetrazolyl)-Ph         653       3-Cl       2-MeO-5-(1-Me-5-tetrazolyl)-Ph         654       3-Cl       3-CONH2-5-(1-Me-5-tetrazolyl)-Ph         655       3-Cl       2-naphthyl         656       3-Cl       2-naphthyl         657       3-Cl       2-thienyl         658       3-Cl       3-thienyl         659       3-Cl       3-furanyl         660       3-Cl       3-pyridyl         661       3-Cl       3-pyridyl         662       3-Cl       3-indolyl         664       3-Cl       3-indolyl         665       3-Cl       5-indolyl         666       3-Cl       5-indolyl         667       3-Cl       6-indolyl	646	3-C1	5-Cl-2-Me-Ph
649       3-Cl       3,4-OCH2O-Ph         650       3-Cl       3,4-OCH2CH2O-Ph         651       3-Cl       2-MeO-5-CONH2-Ph         652       3-Cl       2-MeO-4-(1-Me-5-tetrazolyl)-Ph         653       3-Cl       2-MeO-5-(1-Me-5-tetrazolyl)-Ph         654       3-Cl       3-CONH2-5-(1-Me-5-tetrazolyl)-Ph         655       3-Cl       2-naphthyl         656       3-Cl       2-naphthyl         657       3-Cl       2-thienyl         658       3-Cl       3-thienyl         659       3-Cl       2-furanyl         660       3-Cl       3-furanyl         661       3-Cl       3-pyridyl         662       3-Cl       3-pyridyl         663       3-Cl       2-indolyl         665       3-Cl       3-indolyl         666       3-Cl       5-indolyl	649       3-Cl       3,4-OCH2O-Ph         650       3-Cl       3,4-OCH2CH2O-Ph         651       3-Cl       2-MeO-5-CONH2-Ph         652       3-Cl       2-MeO-4-(1-Me-5-tetrazolyl)-Ph         653       3-Cl       2-MeO-5-(1-Me-5-tetrazolyl)-Ph         654       3-Cl       3-CONH2-5-(1-Me-5-tetrazolyl)-Ph         655       3-Cl       2-naphthyl         656       3-Cl       2-naphthyl         657       3-Cl       2-thienyl         658       3-Cl       3-thienyl         659       3-Cl       2-furanyl         660       3-Cl       3-furanyl         661       3-Cl       3-pyridyl         662       3-Cl       3-pyridyl         663       3-Cl       2-indolyl         664       3-Cl       3-indolyl         665       3-Cl       5-indolyl         666       3-Cl       5-indolyl         667       3-Cl       6-indolyl	647	3-C1	2-F-5-Me-Ph
649       3-Cl       3,4-OCH2O-Ph         650       3-Cl       3,4-OCH2CH2O-Ph         651       3-Cl       2-MeO-5-CONH2-Ph         652       3-Cl       2-MeO-4-(1-Me-5-tetrazolyl)-Ph         653       3-Cl       2-MeO-5-(1-Me-5-tetrazolyl)-Ph         654       3-Cl       3-CONH2-5-(1-Me-5-tetrazolyl)-Ph         655       3-Cl       2-naphthyl         656       3-Cl       2-naphthyl         657       3-Cl       2-thienyl         658       3-Cl       3-thienyl         659       3-Cl       2-furanyl         660       3-Cl       3-furanyl         661       3-Cl       3-pyridyl         662       3-Cl       3-pyridyl         663       3-Cl       2-indolyl         665       3-Cl       3-indolyl         666       3-Cl       5-indolyl	649       3-Cl       3,4-OCH2O-Ph         650       3-Cl       3,4-OCH2CH2O-Ph         651       3-Cl       2-MeO-5-CONH2-Ph         652       3-Cl       2-MeO-4-(1-Me-5-tetrazolyl)-Ph         653       3-Cl       2-MeO-5-(1-Me-5-tetrazolyl)-Ph         654       3-Cl       3-CONH2-5-(1-Me-5-tetrazolyl)-Ph         655       3-Cl       2-naphthyl         656       3-Cl       2-naphthyl         657       3-Cl       2-thienyl         658       3-Cl       3-thienyl         659       3-Cl       2-furanyl         660       3-Cl       3-furanyl         661       3-Cl       3-pyridyl         662       3-Cl       3-pyridyl         663       3-Cl       2-indolyl         664       3-Cl       3-indolyl         665       3-Cl       5-indolyl         666       3-Cl       5-indolyl         667       3-Cl       6-indolyl	648	3-C1	3-F-5-morpholino-Ph
650       3-C1       3,4-OCH2CH2O-Ph         651       3-C1       2-MeO-5-CONH2-Ph         652       3-C1       2-MeO-4-(1-Me-5-tetrazoly1)-Ph         653       3-C1       2-MeO-5-(1-Me-5-tetrazoly1)-Ph         654       3-C1       3-CONH2-5-(1-Me-5-tetrazoly1)-Ph         655       3-C1       1-naphthy1         656       3-C1       2-naphthy1         657       3-C1       2-thieny1         658       3-C1       3-thieny1         659       3-C1       2-furany1         660       3-C1       3-furany1         661       3-C1       3-pyridy1         662       3-C1       3-pyridy1         663       3-C1       2-indoly1         664       3-C1       3-indoly1         665       3-C1       5-indoly1	650       3-C1       3,4-OCH2CH2O-Ph         651       3-C1       2-MeO-5-CONH2-Ph         652       3-C1       2-MeO-4-(1-Me-5-tetrazoly1)-Ph         653       3-C1       2-MeO-5-(1-Me-5-tetrazoly1)-Ph         654       3-C1       3-CONH2-5-(1-Me-5-tetrazoly1)-Ph         655       3-C1       1-naphthy1         656       3-C1       2-naphthy1         657       3-C1       2-thieny1         658       3-C1       3-thieny1         659       3-C1       2-furany1         660       3-C1       3-furany1         661       3-C1       3-pyridy1         662       3-C1       3-pyridy1         663       3-C1       2-indoly1         664       3-C1       3-indoly1         665       3-C1       5-indoly1         667       3-C1       6-indoly1			
651       3-C1       2-MeO-5-CONH2-Ph         652       3-C1       2-MeO-4-(1-Me-5-tetrazoly1)-Ph         653       3-C1       2-MeO-5-(1-Me-5-tetrazoly1)-Ph         654       3-C1       3-CONH2-5-(1-Me-5-tetrazoly1)-Ph         655       3-C1       1-naphthy1         656       3-C1       2-naphthy1         657       3-C1       2-thieny1         658       3-C1       3-thieny1         659       3-C1       2-furany1         660       3-C1       3-furany1         661       3-C1       2-pyridy1         662       3-C1       3-pyridy1         663       3-C1       2-indoly1         664       3-C1       3-indoly1         665       3-C1       5-indoly1	651       3-C1       2-MeO-5-CONH2-Ph         652       3-C1       2-MeO-4-(1-Me-5-tetrazoly1)-Ph         653       3-C1       2-MeO-5-(1-Me-5-tetrazoly1)-Ph         654       3-C1       3-CONH2-5-(1-Me-5-tetrazoly1)-Ph         655       3-C1       1-naphthy1         656       3-C1       2-naphthy1         657       3-C1       2-thieny1         658       3-C1       3-thieny1         659       3-C1       2-furany1         660       3-C1       3-furany1         661       3-C1       2-pyridy1         662       3-C1       3-pyridy1         663       3-C1       4-pyridy1         664       3-C1       2-indoly1         665       3-C1       3-indoly1         666       3-C1       5-indoly1         667       3-C1       6-indoly1			
652  3-Cl  2-MeO-4-(1-Me-5-tetrazolyl)-Ph 653  3-Cl  2-MeO-5-(1-Me-5-tetrazolyl)-Ph 654  3-Cl  3-CONH2-5-(1-Me-5-tetrazolyl)-Ph 655  3-Cl  1-naphthyl 656  3-Cl  2-naphthyl 657  3-Cl  2-thienyl 658  3-Cl  3-thienyl 659  3-Cl  3-furanyl 660  3-Cl  3-furanyl 661  3-Cl  3-pyridyl 662  3-Cl  3-pyridyl 663  3-Cl  2-indolyl 664  3-Cl  3-indolyl 665  3-Cl  5-indolyl	652  3-Cl  2-MeO-4-(1-Me-5-tetrazolyl)-Ph 653  3-Cl  2-MeO-5-(1-Me-5-tetrazolyl)-Ph 654  3-Cl  3-CONH2-5-(1-Me-5-tetrazolyl)-Ph 655  3-Cl  1-naphthyl 656  3-Cl  2-naphthyl 657  3-Cl  2-thienyl 658  3-Cl  3-thienyl 659  3-Cl  3-furanyl 660  3-Cl  3-furanyl 661  3-Cl  2-pyridyl 662  3-Cl  3-pyridyl 663  3-Cl  3-pyridyl 664  3-Cl  2-indolyl 665  3-Cl  3-indolyl 666  3-Cl  5-indolyl 667  3-Cl  6-indolyl			
653  3-Cl  2-MeO-5-(1-Me-5-tetrazolyl)-Ph 654  3-Cl  3-CONH2-5-(1-Me-5-tetrazolyl)-Ph 655  3-Cl  1-naphthyl 656  3-Cl  2-naphthyl 657  3-Cl  2-thienyl 658  3-Cl  3-thienyl 659  3-Cl  2-furanyl 660  3-Cl  3-furanyl 661  3-Cl  2-pyridyl 662  3-Cl  3-pyridyl 663  3-Cl  4-pyridyl 664  3-Cl  2-indolyl 665  3-Cl  3-indolyl 666  3-Cl  5-indolyl	653			
654 3-Cl 3-CONH2-5-(1-Me-5-tetrazolyl)-Ph 655 3-Cl 1-naphthyl 656 3-Cl 2-naphthyl 657 3-Cl 2-thienyl 658 3-Cl 3-thienyl 659 3-Cl 2-furanyl 660 3-Cl 3-furanyl 661 3-Cl 2-pyridyl 662 3-Cl 3-pyridyl 663 3-Cl 4-pyridyl 664 3-Cl 2-indolyl 665 3-Cl 3-indolyl 666 3-Cl 5-indolyl	654 3-Cl 3-CONH2-5-(1-Me-5-tetrazolyl)-Ph 655 3-Cl 1-naphthyl 656 3-Cl 2-naphthyl 657 3-Cl 2-thienyl 658 3-Cl 3-thienyl 659 3-Cl 2-furanyl 660 3-Cl 3-furanyl 661 3-Cl 2-pyridyl 662 3-Cl 3-pyridyl 663 3-Cl 3-pyridyl 664 3-Cl 2-indolyl 665 3-Cl 3-indolyl 666 3-Cl 5-indolyl 667 3-Cl 6-indolyl			
655       3-Cl       1-naphthyl         656       3-Cl       2-naphthyl         657       3-Cl       2-thienyl         658       3-Cl       3-thienyl         659       3-Cl       2-furanyl         660       3-Cl       3-furanyl         661       3-Cl       2-pyridyl         662       3-Cl       3-pyridyl         663       3-Cl       4-pyridyl         664       3-Cl       2-indolyl         665       3-Cl       3-indolyl         666       3-Cl       5-indolyl	655       3-Cl       1-naphthyl         656       3-Cl       2-naphthyl         657       3-Cl       2-thienyl         658       3-Cl       3-thienyl         659       3-Cl       2-furanyl         660       3-Cl       3-furanyl         661       3-Cl       2-pyridyl         662       3-Cl       3-pyridyl         663       3-Cl       4-pyridyl         664       3-Cl       2-indolyl         665       3-Cl       3-indolyl         666       3-Cl       5-indolyl         667       3-Cl       6-indolyl			
656 3-Cl 2-naphthyl 657 3-Cl 2-thienyl 658 3-Cl 3-thienyl 659 3-Cl 2-furanyl 660 3-Cl 3-furanyl 661 3-Cl 2-pyridyl 662 3-Cl 3-pyridyl 663 3-Cl 4-pyridyl 664 3-Cl 2-indolyl 665 3-Cl 3-indolyl 666 3-Cl 5-indolyl	656     3-Cl     2-naphthyl       657     3-Cl     2-thienyl       658     3-Cl     3-thienyl       659     3-Cl     2-furanyl       660     3-Cl     3-furanyl       661     3-Cl     2-pyridyl       662     3-Cl     3-pyridyl       663     3-Cl     4-pyridyl       664     3-Cl     2-indolyl       665     3-Cl     3-indolyl       666     3-Cl     5-indolyl       667     3-Cl     6-indolyl			
657 3-Cl 2-thienyl 658 3-Cl 3-thienyl 659 3-Cl 2-furanyl 660 3-Cl 3-furanyl 661 3-Cl 2-pyridyl 662 3-Cl 3-pyridyl 663 3-Cl 4-pyridyl 664 3-Cl 2-indolyl 665 3-Cl 3-indolyl 666 3-Cl 5-indolyl	657 3-Cl 2-thienyl 658 3-Cl 3-thienyl 659 3-Cl 2-furanyl 660 3-Cl 3-furanyl 661 3-Cl 2-pyridyl 662 3-Cl 3-pyridyl 663 3-Cl 4-pyridyl 664 3-Cl 2-indolyl 665 3-Cl 3-indolyl 666 3-Cl 5-indolyl 667 3-Cl 6-indolyl			
658 3-Cl 3-thienyl 659 3-Cl 2-furanyl 660 3-Cl 3-furanyl 661 3-Cl 2-pyridyl 662 3-Cl 3-pyridyl 663 3-Cl 4-pyridyl 664 3-Cl 2-indolyl 665 3-Cl 3-indolyl 666 3-Cl 5-indolyl	658 3-Cl 3-thienyl 659 3-Cl 2-furanyl 660 3-Cl 3-furanyl 661 3-Cl 2-pyridyl 662 3-Cl 3-pyridyl 663 3-Cl 4-pyridyl 664 3-Cl 2-indolyl 665 3-Cl 3-indolyl 666 3-Cl 5-indolyl 667 3-Cl 6-indolyl			
659 3-Cl 2-furanyl 660 3-Cl 3-furanyl 661 3-Cl 2-pyridyl 662 3-Cl 3-pyridyl 663 3-Cl 4-pyridyl 664 3-Cl 2-indolyl 665 3-Cl 3-indolyl 666 3-Cl 5-indolyl	659 3-Cl 2-furanyl 660 3-Cl 3-furanyl 661 3-Cl 2-pyridyl 662 3-Cl 3-pyridyl 663 3-Cl 4-pyridyl 664 3-Cl 2-indolyl 665 3-Cl 3-indolyl 666 3-Cl 5-indolyl 667 3-Cl 6-indolyl			
660     3-Cl     3-furanyl       661     3-Cl     2-pyridyl       662     3-Cl     3-pyridyl       663     3-Cl     4-pyridyl       664     3-Cl     2-indolyl       665     3-Cl     3-indolyl       666     3-Cl     5-indolyl	660       3-Cl       3-furanyl         661       3-Cl       2-pyridyl         662       3-Cl       3-pyridyl         663       3-Cl       4-pyridyl         664       3-Cl       2-indolyl         665       3-Cl       3-indolyl         666       3-Cl       5-indolyl         667       3-Cl       6-indolyl			
661 3-C1 2-pyridyl 662 3-C1 3-pyridyl 663 3-C1 4-pyridyl 664 3-C1 2-indolyl 665 3-C1 3-indolyl 666 3-C1 5-indolyl	661 3-Cl 2-pyridyl 662 3-Cl 3-pyridyl 663 3-Cl 4-pyridyl 664 3-Cl 2-indolyl 665 3-Cl 3-indolyl 666 3-Cl 5-indolyl 667 3-Cl 6-indolyl			
662 3-Cl 3-pyridyl 663 3-Cl 4-pyridyl 664 3-Cl 2-indolyl 665 3-Cl 3-indolyl 666 3-Cl 5-indolyl	662       3-Cl       3-pyridyl         663       3-Cl       4-pyridyl         664       3-Cl       2-indolyl         665       3-Cl       3-indolyl         666       3-Cl       5-indolyl         667       3-Cl       6-indolyl			
663 3-Cl 4-pyridyl 664 3-Cl 2-indolyl 665 3-Cl 3-indolyl 666 3-Cl 5-indolyl	663 3-Cl 4-pyridyl 664 3-Cl 2-indolyl 665 3-Cl 3-indolyl 666 3-Cl 5-indolyl 667 3-Cl 6-indolyl			
664 3-Cl 2-indolyl 665 3-Cl 3-indolyl 666 3-Cl 5-indolyl	664 3-Cl 2-indolyl 665 3-Cl 3-indolyl 666 3-Cl 5-indolyl 667 3-Cl 6-indolyl			
665 3-Cl 3-indolyl 666 3-Cl 5-indolyl	665 3-C1 3-indolyl 666 3-C1 5-indolyl 667 3-C1 6-indolyl			
666 3-Cl 5-indolyl	666 3-Cl 5-indolyl 667 3-Cl 6-indolyl			
	667 3-C1 6-indolyl			
1 CC7 1 2 01 1 C 1 m 2 1 m 2				
	1 ((0   2   2   2   2   2   2   2   2   2			
668 3-C1 3-indazolyl	668   3-C1   3-indazoiyi	668	3-C1	3-indazolyl

669	3-C1	5-indazolyl_
670	3-C1	6-indazolyl
671	3-C1	2-imidazoly1
672	3-C1	3-isoxazoyl
673	3-C1	3-pyrazolyl
674	3-C1	2-thiadiazolyl
675	3-C1	2-thiazolyl
676	3-C1	5-Ac-4-Me-2-thiazolyl
677	3-C1	5-tetrazoly1
678	3-C1	2-benzimidazolyl
679	3-C1	5-benzimidazolyl
680	3-C1	2-benzothiazolyl
681	3-C1	5-benzothiazolyl
682	3-C1	2-benzoxazolyl
683	3-C1	5-benzoxazolyl
684	3-C1	1-adamanty1
685	3-C1	2-adamantyl
686	3-C1	i-Pr
687	3-C1	t-Bu
688	3-C1	c-Hex
689	3-C1	CH2CH2OMe
690	3-C1	CH2CONH2
691	3-C1	CH2CO2Me
692	3-C1	CH (CH2Ph) CO2Me
693	3-C1	CH2CH2NMe2
694	3-C1	benzyl
695	3-C1	phenethyl
696	3-C1	2-(morpholin-1-yl)-Et
697	4-C1	Ph
698	4-C1	3-CN-Ph
699	4-C1	3-COMe-Ph
700	4-C1	3-CO2Me-Ph
701	4-C1	3-CONH2-Ph
702	4-C1	3-CONHMe-Ph
703	4-C1	3-F-Ph
704	4-C1	3-C1-Ph
705	4-C1	3-Br-Ph
706	4-C1	3-SO2NH2-Ph
707	4-C1	3-SO2NHMe-Ph
708	4-C1	3-CF3-Ph
709	4-C1	3-OMe-Ph
	・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・	
1 710		3-9Ma-Dh
710	4-Cl	3-SMe-Ph
711	4-Cl 4-Cl	3-SOMe-Ph
711 712	4-Cl 4-Cl 4-Cl	3-SOMe-Ph 3-SO2Me-Ph
711 712 713	4-Cl 4-Cl 4-Cl 4-Cl	3-SOMe-Ph 3-SO2Me-Ph 3-OH-Ph
711 712 713 714	4-Cl 4-Cl 4-Cl 4-Cl 4-Cl	3-SOMe-Ph 3-SO2Me-Ph 3-OH-Ph 3-CH2OH-Ph
711 712 713 714 715	4-Cl 4-Cl 4-Cl 4-Cl 4-Cl 4-Cl	3-SOMe-Ph 3-SO2Me-Ph 3-OH-Ph 3-CH2OH-Ph 3-CHOHMe-Ph
711 712 713 714 715 716	4-Cl 4-Cl 4-Cl 4-Cl 4-Cl 4-Cl 4-Cl	3-SOMe-Ph 3-SO2Me-Ph 3-OH-Ph 3-CH2OH-Ph 3-CHOHMe-Ph 3-COH (Me) 2-Ph
711 712 713 714 715 716 717	4-Cl 4-Cl 4-Cl 4-Cl 4-Cl 4-Cl 4-Cl 4-Cl	3-SOMe-Ph 3-SO2Me-Ph 3-OH-Ph 3-CH2OH-Ph 3-CHOHMe-Ph 3-COH (Me) 2-Ph 3-Me-Ph
711 712 713 714 715 716 717 718	4-Cl 4-Cl 4-Cl 4-Cl 4-Cl 4-Cl 4-Cl 4-Cl	3-SOMe-Ph 3-SO2Me-Ph 3-OH-Ph 3-CH2OH-Ph 3-CHOHMe-Ph 3-COH (Me) 2-Ph 3-Me-Ph 3-Et-Ph
711 712 713 714 715 716 717 718 719	4-Cl 4-Cl 4-Cl 4-Cl 4-Cl 4-Cl 4-Cl 4-Cl	3-SOMe-Ph 3-SO2Me-Ph 3-OH-Ph 3-CH2OH-Ph 3-CHOHMe-Ph 3-COH(Me)2-Ph 3-Me-Ph 3-Et-Ph 3-iPr-Ph
711 712 713 714 715 716 717 718 719 720	4-Cl 4-Cl 4-Cl 4-Cl 4-Cl 4-Cl 4-Cl 4-Cl	3-SOMe-Ph 3-SO2Me-Ph 3-OH-Ph 3-CH2OH-Ph 3-CHOHMe-Ph 3-COH(Me) 2-Ph 3-Me-Ph 3-Et-Ph 3-iPr-Ph 3-tBu-Ph
711 712 713 714 715 716 717 718 719 720 721	4-Cl 4-Cl 4-Cl 4-Cl 4-Cl 4-Cl 4-Cl 4-Cl 4-Cl 4-Cl 4-Cl 4-Cl	3-SOMe-Ph 3-SO2Me-Ph 3-OH-Ph 3-OH-Ph 3-CH2OH-Ph 3-CHOHMe-Ph 3-COH(Me) 2-Ph 3-Me-Ph 3-Et-Ph 3-iPr-Ph 3-tBu-Ph 3-CH2CO2Me-Ph
711 712 713 714 715 716 717 718 719 720	4-Cl 4-Cl 4-Cl 4-Cl 4-Cl 4-Cl 4-Cl 4-Cl	3-SOMe-Ph 3-SO2Me-Ph 3-OH-Ph 3-CH2OH-Ph 3-CHOHMe-Ph 3-COH(Me) 2-Ph 3-Me-Ph 3-Et-Ph 3-iPr-Ph 3-tBu-Ph

724	1 4 01	2 (2 imidagalis1) Ph
724	4-C1	3-(2-imidazoly1)-Ph
725	4-C1	3-(1-imidazolyl)-Ph
726	4-C1	3-(2-thiazoly1)-Ph
727	4-C1	3-(3-pyrazoly1)-Ph
728	4-Cl	3-(1-pyrazolyl)-Ph
729	4-C1	3-(5-Me-1-tetrazoly1)-Ph
730	4-C1	3-(1-Me-5-tetrazolyl)-Ph
731	4-C1	3-(2-pyridyl)-Ph
732	4-C1	3-(2-thienyl)-Ph
733	4-C1	3-(2-furanyl)-Ph
734	4-C1	4-CN-Ph
735	4-C1	4-COMe-Ph
736	4-C1	4-CO2Me-Ph
737	4-C1	4-CONH2-Ph
738	4-Cl	4-CONHMe-Ph
739	4-C1	4-CONHPh-Ph
740	4-C1	4-F-Ph
741	4-C1	4-C1-Ph
742	4-C1	4-Br-Ph
743	4-C1	4-SO2NH2-Ph
744	4-C1	4-SO2NHMe-Ph
745	4-C1	4-CF3-Ph
746	4-C1	4-OMe-Ph
747	4-C1	4-SMe-Ph
748	4-C1	4-SOMe-Ph
749	4-C1	4-SOME-Ph
750 751	4-Cl	4-OH-Ph
	4-C1	4-CH2OH-Ph
752	4-C1	4-CHOHMe-Ph
753	4-C1	4-COH (Me) 2-Ph
754	4-C1	4-Me-Ph
755	4-C1	4-Et-Ph
756	4-C1	4-iPr-Ph
757	4-Cl	4-tBu-Ph
758	4-C1	4-CH2CO2Me-Ph
759	4-C1	4-(1-piperidinyl)-Ph
760	4-C1	4-(1-pyrrolidinyl)-Ph
761	4-C1	4-(2-imidazolyl)-Ph
762	4-Cl	4-(1-imidazolyl)-Ph
763	4-C1	4-(2-thiazoly1)-Ph
764	4-C1	4-(3-pyrazolyl)-Ph
765	4-C1	4-(1-pyrazolyl)-Ph
766	4-Cl	4-(5-Me-1-tetrazolyl)-Ph
767	4-C1	4-(1-Me-5-tetrazolyl)-Ph
768	4-C1	4-(2-pyridyl)-Ph
769	4-C1	4-(2-thienyl)-Ph
770	4-C1	4-(2-furanyl)-Ph
771	4-C1	2-CN-Ph
772	4-C1	2-COMe-Ph
773	4-Cl	2-CO2Me-Ph
774	4-C1	2-CONH2-Ph
775	4-C1	2-CONHMe-Ph
776	4-C1	2-F-Ph
777	4-C1	2-C1-Ph
778	4-C1	2-Br-Ph
L	1 - CT	7 DT_EII

	1 4 03	2 GOODHIA Dh
779	4-C1	2-SO2NH2-Ph
780	4-C1	2-SO2NHMe-Ph 2-CF3-Ph
781	4-C1	
782	4-C1	2-OMe-Ph
783	4-C1	2-SMe-Ph
784	4-C1	2-SOMe-Ph
785	4-C1	2-S02Me-Ph
786	4-C1	2-OH-Ph
787	4-C1	2-CH2OH-Ph
788	4-C1	2-CHOHMe-Ph
789	4-C1	2-COH (Me) 2-Ph
790	4-C1	2-Me-Ph
791	4-C1	2-Et-Ph
792	4-C1	2-iPr-Ph
793	4-C1	2-tBu-Ph
794	4-C1	2-CH2CO2Me-Ph
795	4-C1	2-(1-piperidinyl)-Ph
796	4-C1	2-(1-pyrrolidinyl)-Ph
797	4-C1	2-(2-imidazolyl)-Ph
798	4-C1	2-(1-imidazolyl)-Ph
799	4-C1	2-(2-thiazolyl)-Ph
800	4-C1	2-(3-pyrazolyl)-Ph
801	4-Cl	2-(1-pyrazolyl)-Ph
802	4-C1	2-(5-Me-1-tetrazolyl)-Ph
803	4-C1	2-(1-Me-5-tetrazolyl)-Ph
804	4-C1	2-(2-pyridyl)-Ph
805	4-Cl	2-(2-thienyl)-Ph
806	4-C1	2-(2-furanyl)-Ph
807	4-C1	2,4-diF-Ph
808	4-C1	2,5-diF-Ph
809	4-C1	2,6-diF-Ph
810	4-C1	3,4-diF-Ph
811	4-C1	3,5-diF-Ph
812	4-C1	2,4-diCl-Ph
813	4-C1	2,5-diCl-Ph
814	4-C1	2,6-diCl-Ph
815	4-C1	3,4-diCl-Ph
816	4-C1	3,5-diCl-Ph
817	4-C1	3,4-diCF3-Ph
818	4-C1	3,5-diCF3-Ph
819	4-C1	5-C1-2-MeO-Ph
820	4-C1	5-Cl-2-Me-Ph
821	4-C1	2-F-5-Me-Ph
822	4-C1	3-F-5-morpholino-Ph
823	4-C1	3,4-OCH2O-Ph
824	4-C1	3,4-0CH2O-Ph
825	4-C1	2-MeO-5-CONH2-Ph
826	4-C1	2-MeO-4-(1-Me-5-tetrazoly1)-Ph
		2-MeO-4-(1-Me-5-tetrazoly1)-Ph
827	4-C1	
828	4-C1	3-CONH2-5-(1-Me-5-tetrazoly1)-Ph
829	4-C1	1-naphthyl
830	4-C1	2-naphthy1
831	4-C1	2-thienyl
832	4-C1	3-thienyl
833	4-C1	2-furanyl

834	4-C1	3-furanyl
835	4-C1	2-pyridyl
836	4-C1	3-pyridyl
837	4-C1	4-pyridyl
838	4-C1	2-indolyl
839	4-C1	3-indolyl
840	4-C1	5-indolyl
841	4-C1	6-indolyl
842	4-Cl	3-indazolyl
843	4-C1	5-indazolyl
844	4-C1	6-indazolyl
845	4-C1	2-imidazolyl
846	4-C1	3-isoxazoyl
847	4-C1	3-pyrazolyl
848	4-C1	2-thiadiazolyl
849	4-C1	2-thiazolyl
850	4-C1	5-Ac-4-Me-2-thiazolyl
851	4-C1	5-tetrazolyl
852	4-C1	2-benzimidazolyl
853	4-Cl	5-benzimidazolyl
854	4-C1	2-benzothiazolyl
855	4-C1	5-benzothiazolyl
856	4-C1	2-benzoxazolyl
857	4-C1	5-benzoxazolyl
858	4-C1	1-adamantyl
859	4-C1	2-adamantyl
860	4-C1	i-Pr
861	4-Cl	t-Bu
862	4-C1	c-Hex
863	4-C1	CH2CH2OMe
864	4-Cl	CH2CONH2
865	4-C1	CH2CO2Me
866	4-C1	CH(CH2Ph)CO2Me
867	4-C1	CH2CH2NMe2
868	4-C1	benzyl
869	4-C1	phenethyl
870	4-C1	2-(morpholin-1-yl)-Et

Table 4

 Entry
 R16
 R9d
 R3

 1
 2-F
 H
 Ph

 2
 2-F
 H
 3-CN-Ph

 3
 2-F
 H
 3-COMe-Ph

5

	2 - 5	T T	3-CO2Me-Ph
5	2-F 2-F	H	
6			3-CONH2-Ph
	2-F	H	3-CONHMe-Ph
7	2-F	H	3-F-Ph
8	2-F	H	3-C1-Ph
9	2-F	H	3-Br-Ph
10	2-F	H	3-SO2NH2-Ph
11	2-F	H	3-SO2NHMe-Ph
12	2-F	H	3-CF3-Ph
13	2-F	H	3-OMe-Ph
14	2-F	H	3-SMe-Ph
15	2-F	H	3-SOMe-Ph
16	2-F	Н	3-SO2Me-Ph
17	2-F	Н	3-OH-Ph
18	2-F	Н	3-CH2OH-Ph
19	2-F	H	3-CHOHMe-Ph
20	2-F	H	3-COH (Me) 2-Ph
21	2-F	H	3-Me-Ph
22	2-F	H	3-Et-Ph
23	2-F	H	3-iPr-Ph
	2-F		
24		H	3-tBu-Ph
25	2-F	<u>H</u>	3-CH2CO2Me-Ph
26	2-F	<u>H</u>	3-(1-piperidinyl)-Ph
27	2-F	H	3-(1-pyrrolidinyl)-Ph
28	2-F	H	3-(2-imidazolyl)-Ph
29	2-F	H	3-(1-imidazolyl)-Ph
30	2-F	H	3-(2-thiazolyl)-Ph
31	2-F	H	3-(3-pyrazolyl)-Ph
32	2-F	H	3-(1-pyrazolyl)-Ph
33	2-F	H	3-(5-Me-1-tetrazolyl)-Ph
34	2-F	H	3-(1-Me-5-tetrazolyl)-Ph
35	2-F	H	3-(2-pyridyl)-Ph
36	2-F	H	3-(2-thienyl)-Ph
37	2-F	H	3-(2-furanyl)-Ph
38	2-F	H	4-CN-Ph
39	2-F	H	4-COMe-Ph
40	2-F	H	4-CO2Me-Ph
41	2-F	H	4-CONH2-Ph
42	2-F	H	4-CONHMe-Ph
43	2-F	H	4-CONHPh-Ph
44	2-F	H	4-F-Ph
45	2-F	H	4-F-PH 4-Cl-Ph
46	2-F	H	4-C1-PH 4-Br-Ph
	2-F 2-F		
47		H	4-SO2NH2-Ph
48	2-F	<u>H</u>	4-SO2NHMe-Ph
49	2-F	<u>H</u>	4-CF3-Ph
50	2-F	<u>H</u>	4-OMe-Ph
51	2-F	H	4-SMe-Ph
52	2-F	H	4-SOMe-Ph
53	2-F	H	4-SO2Me-Ph
54	2-F	H	4-OH-Ph
55	2-F	H	4-CH2OH-Ph
56	2-F	Н	4-CHOHMe-Ph
57	2-F	Н	4-COH(Me)2-Ph
58	2-F	H	4-Me-Ph

59	2_=	Н	4-Et-Ph
60	2-F 2-F	H	4-EC-FII 4-iPr-Ph
61	2-F	H	4-tBu-Ph
62	2-F 2-F	H	4-CH2CO2Me-Ph
63	2-F 2-F	н	4-(1-piperidinyl)-Ph
64	2-F 2-F		4-(1-pyrrolidinyl)-Ph
		H	
65	2-F	H	4-(2-imidazoly1)-Ph
66	2-F	H	4-(1-imidazoly1)-Ph
67	2-F	H	4-(2-thiazoly1)-Ph
68	2-F	H	4-(3-pyrazoly1)-Ph
69	2-F	H	4-(1-pyrazoly1)-Ph
70	2-F	<u>H</u>	4-(5-Me-1-tetrazoly1)-Ph
71	2-F	H	4-(1-Me-5-tetrazolyl)-Ph
72	2-F	H	4-(2-pyridyl)-Ph
73	2-F	H	4-(2-thienyl)-Ph
74	2-F	H	4-(2-furanyl)-Ph
75	2-F	H	2-CN-Ph
76	2-F	H	2-COMe-Ph
77	2-F	H	2-C02Me-Ph
78	2-F	H	2-CONH2-Ph
79	2-F	H	2-CONHMe-Ph
80	2-F	H	2-F-Ph
81	2-F	H	2-Cl-Ph
82	2-F	H	2-Br-Ph
83	2-F	H	2-SO2NH2-Ph
84	2-F	H	2-SO2NHMe-Ph
85	2-F	Н	2-CF3-Ph
86	2-F	H	2-OMe-Ph
87	2-F	H	2-SMe-Ph
88	2-F	H	2-SOMe-Ph
89	2-F	H	2-SO2Me-Ph
90	2-F	H	2-OH-Ph
91	2-F	H	2-CH2OH-Ph
92	2-F	H	2-CHOHMe-Ph
93	2-F	H	2-COH (Me) 2-Ph
94	2-F	H	2-Me-Ph
95	2-F	H	2-Et-Ph
96	2-F	H	2-iPr-Ph
97	2-F	H	2-tBu-Ph
98	2-F	H	2-CH2CO2Me-Ph
99	2-F	H	2-(1-piperidinyl)-Ph
100	2-F	H	2-(1-pyrrolidinyl)-Ph
101	2-F	H	2-(2-imidazoly1)-Ph
102	2-F	H	2-(1-imidazolyl)-Ph
103	2-F	H	2-(2-thiazolyl)-Ph
104	2-F	H	2-(3-pyrazolyl)-Ph
105	2-F	Н	2-(1-pyrazolyl)-Ph
106	2-F	H	2-(5-Me-1-tetrazolyl)-Ph
107	2-F	Н	2-(1-Me-5-tetrazolyl)-Ph
108	2-F	Н	2-(2-pyridyl)-Ph
109	2-F	H	2-(2-thienyl)-Ph
110	2-F	Н	2-(2-furanyl)-Ph
111	2-F	H	2,4-diF-Ph
112	2-F	H	2,5-diF-Ph
113	2-F	Н	2,6-diF-Ph

114	2-F	Н	3,4-diF-Ph
115	2-F	H	3,5-diF-Ph
116	2-F	H	2,4-diCl-Ph
	2-F	H	2,4-dic1-Ph
117			2,5-dic1-FH 2,6-dic1-Ph
118	2-F	H	
119	2-F	H	3,4-diCl-Ph
120	2-F	H	3,5-diCl-Ph
121	2-F	H	3,4-diCF3-Ph
122	2-F	H	3,5-diCF3-Ph
123	2-F	H	5-C1-2-MeO-Ph
124	2-F	H	5-C1-2-Me-Ph
125	2-F	H	2-F-5-Me-Ph
126	2-F	H	3-F-5-morpholino-Ph
127	2-F	H	3,4-OCH2O-Ph
128	2-F	H	3,4-OCH2CH2O-Ph
129	2-F	H	2-MeO-5-CONH2-Ph
130	2-F	H	2-MeO-4-(1-Me-5-tetrazoly1)-Ph
131	2-F	Н	2-MeO-5-(1-Me-5-tetrazoly1)-Ph
132	2-F	Н	3-CONH2-5-(1-Me-5-tetrazolyl)-Ph
133	2-F	Н	1-naphthyl
134	2-F	Н	2-naphthyl
135	2-F	H	2-thienyl
136	2-F	H	3-thienyl
137	2-F	H	2-furanyl
138	2-F	H	3-furanyl
139	2-F	H	2-pyridyl
140	2-F	H	3-pyridyl
141	2-F	H	4-pyridyl
142	2-F	H	2-indolyl
143	2-F	H	3-indoly1
144	2-F	H	5-indolyl
145	2-F	H	6-indolyl
146	2-F	H	3-indazolyl
147	2-F	H	5-indazolyl
		H	6-indazolyl
148	2-F		
149	2-F	H	2-imidazolyl
150	2-F	H	3-isoxazoyl
151	2-F	H	3-pyrazolyl
152	2-F	H	2-thiadiazolyl
153	2-F	H	2-thiazolyl
154	2-F	H	5-Ac-4-Me-2-thiazolyl
155	2-F	H	5-tetrazolyl
156	2-F	H	2-benzimidazolyl
157	2-F	H	5-benzimidazolyl
158	2-F	H	2-benzothiazolyl
159	2-F	H	5-benzothiazolyl
160	2-F	H	2-benzoxazolyl
161	2-F	H	5-benzoxazolyl
162	2-F	H	1-adamantyl
163	2-F	H	2-adamanty1
164	2-F	H	i-Pr
165	2-F	H	t-Bu
166	2-F	H	c-Hex
167	2-F	H	CH2CH2OMe
168	2-F	Н	CH2CONH2
<del></del>			L

160	2 57	7.7	CH2CO2Me
169 170	2-F 2-F	H	<del></del>
171	2-F 2-F	H H	CH (CH2Ph) CO2Me CH2CH2NMe2
172	2-F	H	<del>/</del>
173			benzyl
	2-F	H	phenethyl
174	2-F	H	2-(morpholin-1-yl)-Et
175	3-F	H	Ph
176	3-F	H	3-CN-Ph
177	3-F	H	3-COMe-Ph
178	3-F	H	3-C02Me-Ph
179	3-F	H	3-CONH2-Ph
180	3-F	H	3-CONHMe-Ph
181	3-F	H	3-F-Ph
182	3-F	Н	3-Cl-Ph
183	3-F	H	3-Br-Ph
184	3-F	H	3-SO2NH2-Ph
185	3-F	H	3-SO2NHMe-Ph
186	3-F	H	3-CF3-Ph
187	3-F	H	3-OMe-Ph
188	3-F	H	3-SMe-Ph
189	3-F	Н	3-SOMe-Ph
190	3-F	H	3-SO2Me-Ph
191	3-F	H	3-OH-Ph
192	3-F	H	3-CH2OH-Ph
193	3-F	H	3-CHOHMe-Ph
194	3-F	Н	3-COH(Me)2-Ph
195	3-F	H	3-Me-Ph
196	3-F	Н	3-Et-Ph
197	3-F	Н	3-iPr-Ph
198	3-F	H	3-tBu-Ph
199	3-F	Н	3-CH2CO2Me-Ph
200	3-F	Н	3-(1-piperidinyl)-Ph
201	3-F	Н	3-(1-pyrrolidinyl)-Ph
202	3-F	H	3-(2-imidazoly1)-Ph
203	3-F	H	3-(1-imidazolyl)-Ph
204	3-F	Н	3-(2-thiazolyl)-Ph
205	3-F	Н	3-(3-pyrazolyl)-Ph
206	3-F	Н	3-(1-pyrazolyl)-Ph
207	3-F	Н	3-(5-Me-1-tetrazolyl)-Ph
208	3-F	H	3-(1-Me-5-tetrazolyl)-Ph
209	3-F	H	3-(2-pyridyl)-Ph
210	3-F	H	3-(2-thienyl)-Ph
211	3-F	H	3-(2-furany1)-Ph
212	3-F	H	4-CN-Ph
213	3-F	H	4-COMe-Ph
214	3-F	H	4-CO2Me-Ph
215	3-F	H	4-CONH2-Ph
216	3-F	H	4-CONHMe-Ph
217	3-F	H	4-CONHPh-Ph
218	3-F	H	4-F-Ph
219	3-F	H	4-C1-Ph
220	3-F	H	4-Br-Ph
221	3-F	H	4-SO2NH2-Ph
222	3-F	H	4-SO2NHMe-Ph
223	3-F	H	4-CF3-Ph
445		11	# CLO_LH

224	3-F	H	4-OMe-Ph
225	3-F	H	4-SMe-Ph
226	3-F	H	4-SMe-Ph
227	3-F	H	4-SO2Me-Ph
228	3-F	H H	4-0H-Ph
229	3-F	H	4-OH-FH 4-CH2OH-Ph
230	3-F	H	
	3-F 3-F	<u>н</u>	4-CHOHMe-Ph
231	3-F		4-COH (Me) 2-Ph
232		H	4-Me-Ph
233	3-F	H	4-Et-Ph
234	3-F	H	4-iPr-Ph
235	3-F	<u>H</u>	4-tBu-Ph
236	3-F	H	4-CH2CO2Me-Ph
237	3-F	H	4-(1-piperidiny1)-Ph
238	3-F	H	4-(1-pyrrolidinyl)-Ph
239	3-F	H	4-(2-imidazolyl)-Ph
240	3-F	H	4-(1-imidazolyl)-Ph
241	3-F	H	4-(2-thiazoly1)-Ph
242	3-F	H	4-(3-pyrazolyl)-Ph
243	3-F	H	4-(1-pyrazoly1)-Ph
244	3-F	H	4-(5-Me-1-tetrazolyl)-Ph
245	3-F	H	4-(1-Me-5-tetrazolyl)-Ph
246	3-F	H	4-(2-pyridyl)-Ph
247	3-F	H	4-(2-thienyl)-Ph
248	3-F	H	4-(2-furanyl)-Ph
249	3-F	H	2-CN-Ph
250	3-F	H	2-COMe-Ph
251	3-F	Н	2-CO2Me-Ph
252	3-F	H	2-CONH2-Ph
253	3-F	H	2-CONHMe-Ph
254	3-F	H	2-F-Ph
255	3-F	H	2-C1-Ph
256	3-F	H	2-Br-Ph
257	3-F	Н	2-SO2NH2-Ph
258	3-F	Н	2-SO2NHMe-Ph
259	3-F	H	2-CF3-Ph
260	3-F	H	2-OMe-Ph
261	3-F	H	2-SMe-Ph
262	3-F	H	2-SOMe-Ph
263	3-F	H	2-SO2Me-Ph
264	3-F	H	2-OH-Ph
265	3-F	H	2-CH2OH-Ph
266	3-F	H	2-CHOHMe-Ph
267	3-F	H	2-COH (Me) 2-Ph
268	3-F	H	2-Me-Ph
269	3-F	H	2-Et-Ph
270	3-F	H	2-iPr-Ph
271	3-F	H	2-1F1-F11 2-tBu-Ph
272	3-F	H	2-CH2CO2Me-Ph
273	3-F	H	2-CH2COZME-FH 2-(1-piperidinyl)-Ph
274	3-F	H	2-(1-piperidinyl)-Ph 2-(1-pyrrolidinyl)-Ph
275 276	3-F 3-F	H	2-(2-imidazolyl)-Ph
		H	2-(1-imidazolyl)-Ph
277	3-F	<u>H</u>	2-(2-thiazoly1)-Ph
278	3-F	H	2-(3-pyrazolyl)-Ph

279	3-F	Н	2-(1-pyrazolyl)-Ph
280	3-F	H	2-(1-pylazoly1) -Ph
281	3-F	H	2-(1-Me-5-tetrazolyl)-Ph
282	3-F	H	2-(2-pyridyl)-Ph
283	3-F	H	2-(2-thienyl)-Ph
284	3-F	H	2-(2-furanyl)-Ph
285	3-F	H	2,4-diF-Ph
286	3-F	H	2,5-diF-Ph
287	3-F	H	2,6-diF-Ph
288	3-F	H	3,4-diF-Ph
289	3-F	Н	3,5-diF-Ph
290	3-F	Н	2,4-diCl-Ph
291	3-F	H	2,5-diCl-Ph
292	3-F	H	2,6-diCl-Ph
293	3-F	Н	3,4-diCl-Ph
294	3-F	Н	3,5-diCl-Ph
295	3-F	Н	3,4-diCF3-Ph
296	3-F	Н	3,5-diCF3-Ph
297	3-F	H	5-C1-2-MeO-Ph
298	3-F	H	5-Cl-2-Me-Ph
299	3-F	H	2-F-5-Me-Ph
300	3-F	H	3-F-5-morpholino-Ph
301	3-F	H	3,4-OCH2O-Ph
302	3-F	H	3,4-OCH2CH2O-Ph
303	3-F	H	2-MeO-5-CONH2-Ph
304	3-F	H	2-MeO-4-(1-Me-5-tetrazolyl)-Ph
305	3-F	H	2-MeO-5-(1-Me-5-tetrazolyl)-Ph
306	3-F	H	3-CONH2-5-(1-Me-5-tetrazolyl)-Ph
307	3-F	H H	1-naphthyl 2-naphthyl
308	3-F 3-F	H H	2-naphthyl 2-thienyl
310	3-F	H	3-thienyl
311	3-F	H	2-furanyl
312	3-F	H	3-furanyl
313	3-F	H	2-pyridyl
314	3-F	H	3-pyridyl
315	3-F	H	4-pyridyl
316	3-F	H	2-indolyl
317	3-F	H	3-indolyl
318	3-F	H	5-indolyl
319	3-F	H	6-indolyl
320	3-F	H	3-indazolyl
321	3-F	Н	5-indazolyl
322	3-F	H	6-indazolyl
323	3-F	H	2-imidazolyl
324	3-F	H	3-isoxazoyl
325	3-F	H	3-pyrazolyl
326	3-F	H	2-thiadiazolyl
327	3-F	H	2-thiazolyl
328	3-F	H	5-Ac-4-Me-2-thiazolyl
329	3-F	Н	5-tetrazolyl
330	3-F	H	2-benzimidazolyl
331	3-F	H	5-benzimidazolyl
332	3-F	H	2-benzothiazolyl
333	3-F	H	5-benzothiazolyl

734	7 7	77	2 hangayagalyil
334	3-F	H	2-benzoxazolyl
335	3-F	H	5-benzoxazolyl
336	3-F	H	1-adamantyl
337	3-F	H	2-adamantyl
338	3-F	H	i-Pr
339	3-F	<u>H</u>	t-Bu
340	3-F	H	c-Hex
341	3-F	H	CH2CH2OMe
342	3-F	H	CH2CONH2
343	3-F	H	CH2CO2Me_
344	3-F	H	CH(CH2Ph)CO2Me
345	3-F	H	CH2CH2NMe2
346	3-F	H	benzyl
347	3-F	H	phenethyl
348	3-F	H	2-(morpholin-1-yl)-Et
349	4-F	H	Ph
350	4-F	H	3-CN-Ph
351	4-F	H	3-COMe-Ph
352	4-F	Н	3-CO2Me-Ph
353	4-F	H	3-CONH2-Ph
354	4-F	H	3-CONHMe-Ph
355	4-F	H	3-F-Ph
356	4-F	Н	3-Cl-Ph
357	4-F	Н	3-Br-Ph
358	4-F	H	3-S02NH2-Ph
359	4-F	Н	3-SO2NHMe-Ph
360	4-F	Н	3-CF3-Ph
361	4-F	Н	3-OMe-Ph
362	4-F	H	3-SMe-Ph
363	4-F	Н	3-SOMe-Ph
364	4-F	Н	3-SO2Me-Ph
365	4-F	Н	3-OH-Ph
366	4-F	Н	3-CH2OH-Ph
367	4-F	H	3-CHOHMe-Ph
368	4-F	H	3-COH(Me)2-Ph
369	4-F	Н	3-Me-Ph
370	4-F	Н	3-Et-Ph
371	4-F	H	3-iPr-Ph
372	4-F	H	3-tBu-Ph
373	4-F	Н	3-CH2CO2Me-Ph
374	4-F	Н	3-(1-piperidinyl)-Ph
375	4-F	H	3-(1-pyrrolidinyl)-Ph
376	4-F	Н	3-(2-imidazolyl)-Ph
377	4-F	H	3-(1-imidazoly1)-Ph
378	4-F	H	3-(2-thiazolyl)-Ph
379	4-F	H	3-(3-pyrazolyl)-Ph
380	4-F	H	3-(1-pyrazolyl)-Ph
381	4-F	H	3-(5-Me-1-tetrazoly1)-Ph
382	4-F	H	3-(1-Me-5-tetrazoly1)-Ph
383	4-F	H	3-(2-pyridyl)-Ph
384	4-F	H	3-(2-thienyl)-Ph
385	4-F	H	3-(2-furanyl)-Ph
386	4-F	H	4-CN-Ph
387	4-F	H	4-COMe-Ph
388	4-F	H	4-CO2Me-Ph
200	L	17	4-002NE-LII

		r	
389	4-F	<u>H</u>	4-CONH2-Ph
390	4-F	H	4-CONHMe-Ph
391	4-F	H	4-CONHPh-Ph
392	4-F	H	4-F-Ph
393	4-F	H	4-C1-Ph
394	4-F	H	4-Br-Ph
395	4-F	H	4-SO2NH2-Ph
396	4-F	H	4-SO2NHMe-Ph
397	4-F	H	4-CF3-Ph
398	4-F	H	4-OMe-Ph
399	4-F	H	4-SMe-Ph
400	4-F	H	4-SOMe-Ph
401	4-F	H	4-SO2Me-Ph
402	4-F	H	4-OH-Ph
403	4-F	H	4-CH2OH-Ph
404	4-F	H	4-CHOHMe-Ph
405	4-F	H	4-COH(Me)2-Ph
406	4-F	Н	4-Me-Ph
407	4-F	Н	4-Et-Ph
408	4-F	Н	4-iPr-Ph
409	4-F	Н	4-tBu-Ph
410	4-F	H	4-CH2CO2Me-Ph
411	4-F	Н	4-(1-piperidinyl)-Ph
412	4-F	Н	4-(1-pyrrolidinyl)-Ph
413	4-F	Н	4-(2-imidazolyl)-Ph
414	4-F	Н	4-(1-imidazolyl)-Ph
415	4-F	H	4-(2-thiazolyl)-Ph
416	4-F	Н	4-(3-pyrazolyl)-Ph
417	4-F	Н	4-(1-pyrazolyl)-Ph
418	4-F	Н	4-(5-Me-1-tetrazoly1)-Ph
419	4-F	Н	4-(1-Me-5-tetrazolyl)-Ph
420	4-F	Н	4-(2-pyridyl)-Ph
421	4-F	H	4-(2-thienyl)-Ph
422	4-F	H	4-(2-furanyl)-Ph
423	4-F	Н	2-CN-Ph
424	4-F	Н	2-COMe-Ph
425	4-F	Н	2-CO2Me-Ph
426	4-F	H	2-CONH2-Ph
427	4-F	Н	2-CONHMe-Ph
428	4-F	Н	2-F-Ph
429	4-F	Н	2-C1-Ph
430	4-F	H	2-Br-Ph
431	4-F	Н	2-SO2NH2-Ph
432	4-F	Н	2-SO2NHMe-Ph
433	4-F	H	2-CF3-Ph
434	4-F	H	2-OMe-Ph
435	4-F	Н	2-SMe-Ph
436	4-F	H	2-SOMe-Ph
437	4-F	H	2-SO2Me-Ph
438	4-F	H	2-OH-Ph
439	4-F	H	2-CH2OH-Ph
440	4-F	H	2-CHOHMe-Ph
441	4-F	H	2-COH (Me) 2-Ph
442	4-F	H	2-Me-Ph
443	4-F	H	2-Et-Ph
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444	4-F	Н	2-iPr-Ph
445	4-F	H	2-tBu-Ph
446	4-F	H	2-CH2CO2Me-Ph
447	4-F	H	2-(1-piperidiny1)-Ph
448	4-F	H	2-(1-pyrrolidinyl)-Ph
449	4-F	H	2-(1-pyriolidiny17-Fin 2-(2-imidazoly1)-Ph
450	4-F	Н	2-(2-imida20iyi)-Fii 2-(1-imida20lyl)-Ph
451	4-F	Н	2-(1-1mida201y1)-Fn 2-(2-thiazoly1)-Ph
452	4-F	H	2-(2-chiazoly1)-Ph 2-(3-pyrazoly1)-Ph
453	4-F	H	2-(3-pyrazoly1)-Fii 2-(1-pyrazoly1)-Ph
454	4-F 4-F	H H	2-(1-pyrazory1)-Ph 2-(5-Me-1-tetrazoly1)-Ph
454			<del></del>
	4-F	H	2-(1-Me-5-tetrazolyl)-Ph
456	4-F	H	2-(2-pyridy1)-Ph
457	4-F	H	2-(2-thienyl)-Ph
458	4-F	H	2-(2-furanyl)-Ph
459	4-F	H	2,4-diF-Ph
460	4-F	H	2,5-diF-Ph
461	4-F	H	2,6-diF-Ph
462	4-F	H	3,4-diF-Ph
463	4-F	H	3,5-diF-Ph
464	4-F	H	2,4-diCl-Ph
465	4-F	H	2,5-diCl-Ph
466	4-F	H	2,6-diCl-Ph
467	4-F	H	3,4-diCl-Ph
468	4-F	H	3,5-diCl-Ph
469	4-F	H	3,4-diCF3-Ph
470	4-F	H	3,5-diCF3-Ph
471	4-F	H	5-Cl-2-MeO-Ph
472	4-F	H	5-Cl-2-Me-Ph
473	4-F	H	2-F-5-Me-Ph
474	4-F	H	3-F-5-morpholino-Ph
475	4-F	H	3,4-OCH2O-Ph
476	4-F	H	3,4-OCH2CH2O-Ph
477	4-F	H	2-MeO-5-CONH2-Ph
478	4-F	H	2-MeO-4-(1-Me-5-tetrazolyl)-Ph
479	4-F	H	2-MeO-5-(1-Me-5-tetrazolyl)-Ph
480	4-F	H	3-CONH2-5-(1-Me-5-tetrazolyl)-Ph
481	4-F	Н	1-naphthyl
482	4-F	H	2-naphthyl
483	4-F	H	2-thienyl
484	4-F	H	3-thienyl
485	4-F	H	2-furanyl
486	4-F	H	3-furanyl
487	4-F	H	2-pyridyl
488	4-F	H	3-pyridyl
489	4-F	H	4-pyridyl
490	4-F	H	2-indolyl
491	4-F	H	3-indolyl
492	4-F	H	5-indolyl
493	4-F	H	6-indolyl
494	4-F	H	3-indazolyl
495	4-F	H	5-indazolyl
496	4-F	H	6-indazolyl
497	4-F	H	2 imidagalizi
498	4-F	H	2-imidazolyl 3-isoxazoyl

400		TT	2 numa a a l v l
499	4-F	<u>н</u> н	3-pyrazolyl
500	4-F 4-F	<del>п</del> Н	2-thiadiazolyl 2-thiazolyl
501	4-F 4-F	<u> н</u>	
502		H H	5-Ac-4-Me-2-thiazolyl
503	4-F		5-tetrazolyl
504	4-F	H	2-benzimidazolyl
505	4-F	H	5-benzimidazolyl
506	4-F	H	2-benzothiazolyl
507	4-F	H	5-benzothiazolyl
508	4-F	H	2-benzoxazolyl
509	4-F	H	5-benzoxazolyl
510	4-F	H	1-adamantyl
511	4-F	H	2-adamantyl
512	4-F	H	i-Pr
513	4-F	H	t-Bu
514	4-F	H	c-Hex
515	4-F	H	CH2CH2OMe
516	4-F	H	CH2CONH2
517	4-F	H	CH2CO2Me
518	4-F	H	CH (CH2Ph) CO2Me
519	4-F	H	CH2CH2NMe2
520	4-F	H	benzyl
521	4-F	H	phenethyl
522	4-F	H	2-(morpholin-1-yl)-Et
523	3-C1	H	Ph
524	3-C1	H	3-CN-Ph
525	3-C1	H	3-COMe-Ph
526	3-C1	H	3-CO2Me-Ph
527	3-C1	H	3-CONH2-Ph
528	3-C1	H	3-CONHMe-Ph
529	3-C1	H	3-F-Ph
530	3-C1	H	3-C1-Ph
531	3-C1	H	3-Br-Ph
532	3-C1	H	3-SO2NH2-Ph
533	3-C1	H	3-SO2NHMe-Ph
534	3-C1	H	3-CF3-Ph
535	3-C1	H	3-OMe-Ph
536	3-C1	H	3-SMe-Ph
537	3-C1	H	3-SOMe-Ph
538	3-C1	H	3-SO2Me-Ph
539	3-C1	H	3-OH-Ph
540	3-C1	H	3-CH2OH-Ph
541	3-C1	H	3-CHOHMe-Ph
542	3-C1	H	3-COH (Me) 2-Ph
543	3-C1	H	3-Me-Ph
544	3-C1	H	3-Et-Ph
545	3-C1	H	3-iPr-Ph
546	3-C1	Н	3-tBu-Ph
547	3-C1	Н	3-CH2CO2Me-Ph
548	3-C1	Н	3-(1-piperidinyl)-Ph
549	3-C1	Н	3-(1-pyrrolidinyl)-Ph
550	3-C1	H	3-(2-imidazolyl)-Ph
551	3-C1	Н	3-(1-imidazolyl)-Ph
552	3-C1	H	3-(2-thiazolyl)-Ph
553	3-C1	H	3-(3-pyrazolyl)-Ph

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554	3-C1	H	3-(1-pyrazolyl)-Ph
555	3-C1	H	3-(5-Me-1-tetrazolyl)-Ph
556	3-C1	H	3-(1-Me-5-tetrazolyl)-Ph
557	3-C1	H	3-(2-pyridyl)-Ph
558	3-C1	H	3-(2-thienyl)-Ph
559	3-C1	Ħ	3-(2-furanyl)-Ph
560	3-C1	H	4-CN-Ph
561	3-C1	H	4-COMe-Ph
562	3-C1	H	4-CO2Me-Ph
563	3-C1	H	4-CONH2-Ph
564	3-C1	Н	4-CONHMe-Ph
565	3-C1	H	4-CONHPh-Ph
566	3-C1	H	4-F-Ph
567	3-C1	Н	4-Cl-Ph
568	3-C1	Н	4-Br-Ph
569	3-C1	Н	4-SO2NH2-Ph
570	3-C1	Н	4-SO2NHMe-Ph
571	3-C1	Н	4-CF3-Ph
572	3-C1	H	4-OMe-Ph
573	3-C1	H	4-SMe-Ph
574	3-C1	H	4-SOMe-Ph
575	3-C1	H	4-SO2Me-Ph
576	3-C1	H	4-OH-Ph
577	3-C1	H	4-CH2OH-Ph
578	3-C1	H	4-CHOHMe-Ph
579	3-C1	H	4-COH (Me) 2-Ph
580	3-C1	H	4-Me-Ph
581	3-C1	H	4-Et-Ph
582	3-C1	H	4-iPr-Ph
583	3-C1	H	4-tBu-Ph
584	3-C1	H	4-CH2CO2Me-Ph
585	3-C1	H	4-(1-piperidinyl)-Ph
586	3-C1	H	4-(1-pyrrolidinyl)-Ph
587	3-C1	H	4-(2-imidazoly1)-Ph
588	3-C1	H	4-(1-imidazolyl)-Ph
589	3-C1	H	4-(2-thiazolyl)-Ph
590	3-C1	H	4-(3-pyrazolyl)-Ph
591	3-C1	H	4-(1-pyrazoly1)-Ph
592	3-C1	H	4-(5-Me-1-tetrazolyl)-Ph
593	3-C1	H	4-(1-Me-5-tetrazoly1)-Ph
594	3-C1	H	4-(2-pyridyl)-Ph
595	3-C1	H	4-(2-thienyl)-Ph
596		H	4-(2-threny1)-Ph 4-(2-furany1)-Ph
596	3-C1 3-C1	H	2-CN-Ph
598	3-C1	H	2-CN-PH 2-COMe-Ph
		H	2-COME-PH 2-CO2Me-Ph
599	3-C1		2-COZME-Ph 2-CONH2-Ph
600	3-C1	H	2-CONHZ-Ph 2-CONHMe-Ph
601	3-C1	H	2-CONHME-Ph 2-F-Ph
602	3-C1	H	
603	3-C1	H	2-C1-Ph
604	3-C1	H	2-Br-Ph
605	3-C1	H	2-S02NH2-Ph
606	3-C1	H	2-SO2NHMe-Ph
607 608	3-C1 3-C1	H	2-CF3-Ph 2-OMe-Ph

609	3-C1	H	2-SMe-Ph
610	3-C1	H	2-SOMe-Ph
611	3-C1	H	2-SO2Me-Ph
612	3-C1	H	2-OH-Ph
613	3-C1	H	2-CH2OH-Ph
614	3-C1	H	2-CHOHMe-Ph
615	3-C1	H	2-COH (Me) 2-Ph
616	3-C1	H	2-Me-Ph
617	3-C1	H	2-Et-Ph
618	3-C1	H	2-iPr-Ph
619	3-C1	H	2-tBu-Ph
620	3-C1	H	2-CH2CO2Me-Ph
621	3-C1	H	2-(1-piperidinyl)-Ph
622	3-C1	H	2-(1-pyrrolidinyl)-Ph
623	3-C1	H	2-(2-imidazoly1)-Ph
624	3-C1	H	2-(1-imidazolyl)-Ph
625	3-C1	Н	2-(2-thiazolyl)-Ph
626	3-C1	Н	2-(3-pyrazoly1)-Ph
627	3-C1	Н	2-(1-pyrazoly1)-Ph
628	3-C1	H	2-(5-Me-1-tetrazolyl)-Ph
629	3-C1	H	2-(1-Me-5-tetrazolyl)-Ph
630	3-C1	Н	2-(2-pyridyl)-Ph
631	3-C1	H	2-(2-thienyl)-Ph
632	3-C1	H	2-(2-furanyl)-Ph
633	3-C1	H	2,4-diF-Ph
634	3-C1	Н	2,5-diF-Ph
635	3-C1	H	2,6-diF-Ph
636	3-C1	Н	3,4-diF-Ph
637	3-C1	H	3,5-diF-Ph
638	3-C1	Н	2,4-diCl-Ph
639	3-C1	H	2,5-diCl-Ph
640	3-C1	H	2,6-diCl-Ph
641	3-C1	H	3,4-diCl-Ph
642	3-C1	H	3,5-diCl-Ph
643	3-C1	Н	3,4-diCF3-Ph
644	3-C1	H	3,5-diCF3-Ph
645	3-C1	H	5-Cl-2-MeO-Ph
646	3-C1	H	5-Cl-2-Me-Ph
647	3-C1	H	2-F-5-Me-Ph
648	3-C1	H	3-F-5-morpholino-Ph
649	3-C1	H	3,4-OCH2O-Ph
650	3-C1	H	3,4-OCH2CH2O-Ph
651	3-C1	Н	2-MeO-5-CONH2-Ph
652	3-C1	Н	2-MeO-4-(1-Me-5-tetrazolyl)-Ph
653	3-C1	H	2-MeO-5-(1-Me-5-tetrazoly1)-Ph
654	3-C1	H	3-CONH2-5-(1-Me-5-tetrazolyl)-Ph
655	3-C1	H	1-naphthyl
656	3-C1	Н	2-naphthyl
657	3-C1	H	2-thienyl
658	3-C1	H	3-thienyl
659	3-C1	H	2-furanyl
660	3-C1	H	3-furanyl
661	3-C1	H	2-pyridyl
662	3-C1	H	3-pyridyl
663	3-C1	H	4-pyridyl
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664	3-C1	H	2-indolyl
665	3-C1	H	3-indolyl
666	3-C1	H	5-indolyl
667	3-C1	Н	6-indolyl
668	3-C1	H	3-indazolyl
669	3-C1	Н	5-indazolyl
670	3-C1	Н	6-indazolyl
671	3-C1	H	2-imidazolyl
672	3-C1	H	3-isoxazoyl
673	3-C1	H	3-pyrazolyl
674	3-C1	H	2-thiadiazolyl
675	3-C1	H	2-thiazolyl
676	3-C1	H	5-Ac-4-Me-2-thiazolyl
677	3-C1	H	5-tetrazolyl
678	3-C1	H	2-benzimidazolyl
		H	5-benzimidazolyl
679	3-C1		
680	3-C1	H	2-benzothiazolyl
681	3-C1	H	5-benzothiazolyl
682	3-C1	H	2-benzoxazolyl
683	3-C1	H	5-benzoxazolyl
684	3-C1	H	1-adamantyl
685	3-C1	H	2-adamantyl
686	3-C1	H	i-Pr
687	3-C1	H	t-Bu
688	3-C1	H	c-Hex
689	3-C1	H	CH2CH2OMe
690	3-C1	H	CH2CONH2
691	3-C1	H	CH2CO2Me
692	3-C1	Н	CH(CH2Ph)CO2Me
693	3-C1	Н	CH2CH2NMe2
694	3-C1	H	benzyl
695	3-C1	Н	phenethyl
696	3-C1	H	2-(morpholin-1-yl)-Et
697	4-C1	Н	Ph
698	4-C1	Н	3-CN-Ph
699	4-C1	H	3-COMe-Ph
700	4-C1	H	3-CO2Me-Ph
701	4-C1	H	3-CONH2-Ph
702	4-C1	H	3-CONHMe-Ph
703	4-C1	H	3-F-Ph
704	4-C1	H	3-C1-Ph
705	4-C1	H	3-Br-Ph
705	4-C1	H	3-SO2NH2-Ph
707	4-C1 4-C1		3-SO2NH2-Ph
		H	3-SO2NHMe-Pfi 3-CF3-Ph
708	4-C1	H	
709	4-C1	H	3-OMe-Ph
710	4-C1	H	3-SMe-Ph
711	4-C1	H	3-SOMe-Ph
712	4-Cl	H	3-SO2Me-Ph
713	4-C1	H	3-OH-Ph
714	4-C1	H	3-CH2OH-Ph
715	4-Cl	H	3-CHOHMe-Ph
716	4-C1	Н	3-COH(Me)2-Ph
717	4-C1	H	3-Me-Ph
718	4-C1	H	3-Et-Ph

719	4-C1	H	3-iPr-Ph
720	4-C1	H	3-tFu-Fh 3-tBu-Ph
	4-C1	H	3-CH2CO2Me-Ph
721	4-C1	H	3-(1-piperidiny1)-Ph
		H	3-(1-pyrrolidiny1)-Ph
723	4-C1	<u>н</u> Н	
724	4-C1		3-(2-imidazoly1)-Ph
725	4-Cl	H	3-(1-imidazoly1)-Ph
726	4-Cl	H	3-(2-thiazolyl)-Ph
727	4-C1	H	3-(3-pyrazolyl)-Ph
728	4-C1	H	3-(1-pyrazolyl)-Ph
729	4-C1	H	3-(5-Me-1-tetrazolyl)-Ph
730	4-Cl	H	3-(1-Me-5-tetrazolyl)-Ph
731	4-C1	H	3-(2-pyridy1)-Ph
732	4-C1	H	3-(2-thienyl)-Ph
733	4-Cl	H	3-(2-furanyl)-Ph
734	4-C1	H	4-CN-Ph
735	4-C1	H	4-COMe-Ph
736	4-C1	H	4-CO2Me-Ph
737	4-C1	<u>H</u>	4-CONH2-Ph
738	4-C1	H	4-CONHMe-Ph
739	4-C1	H	4-CONHPh-Ph
740	4-C1	H	4-F-Ph
741	4-C1	H	4-Cl-Ph
742	4-C1	<u> </u>	4-Br-Ph
743	4-C1	H	4-SO2NH2-Ph
744	4-C1	H	4-SO2NHMe-Ph
745	4-Cl	<u>H</u>	4-CF3-Ph
746	4-Cl	<u>H</u>	4-OMe-Ph
747	4-C1	H	4-SMe-Ph
748	4-C1	H	4-SOMe-Ph
749	4-C1	H	4-SO2Me-Ph
750	4-C1	H	4-OH-Ph
751	4-C1	H	4-CH2OH-Ph
752	4-C1	H	4-CHOHMe-Ph
753	4-C1	H	4-COH (Me) 2-Ph
754	4-C1	H	4-Me-Ph
755	4-C1	H	4-Et-Ph
756	4-C1	H	4-iPr-Ph
757	4-Cl	H	4-tBu-Ph
758	4-C1	H	4-CH2CO2Me-Ph
759	4-C1	H	4-(1-piperidiny1)-Ph
760	4-C1	H	4-(1-pyrrolidinyl)-Ph
761	4-C1	H	4-(2-imidazolyl)-Ph
762	4-C1	H	4-(1-imidazolyl)-Ph
763	4-C1	Н	4-(2-thiazolyl)-Ph
764	4-C1	H	4-(3-pyrazolyl)-Ph
765	4-C1	Н	4-(1-pyrazolyl)-Ph
766	4-C1	H	4-(5-Me-1-tetrazolyl)-Ph
767	4-C1	H	4-(1-Me-5-tetrazolyl)-Ph
768	4-C1	Н	4-(2-pyridyl)-Ph
769	4-C1	H	4-(2-thienyl)-Ph
770	4-C1	H	4-(2-furanyl)-Ph
771	4-C1	H	2-CN-Ph
772	4-C1	H	2-COMe-Ph
773	4-C1	H	2-CO2Me-Ph
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774	4-C1	H	2-CONH2-Ph
775	4-C1	H	2-CONHMe-Ph
776	4-C1	Н	2-F-Ph
777	4-Cl	Н	2-Cl-Ph
778	4-C1	H	2-Br-Ph
779	4-C1	H	2-SO2NH2-Ph
780	4-C1	H	2-SO2NHMe-Ph
781	4-C1	H	2-CF3-Ph
782	4-C1	H	2-0Me-Ph
783	4-C1	H	2-SMe-Ph
784	4-C1	H	2-SOMe-Ph
785	4-Cl	H	2-SO2Me-Ph
786	4-C1	H	2-0H-Ph
787	4-C1	H	2-CH2OH-Ph
788	4-Cl	Н	2-CHOHMe-Ph
789	4-C1	Н	2-COH (Me) 2-Ph
790	4-C1	Н	2-Me-Ph
791	4-C1	Н	2-Et-Ph
792	4-C1	H	2-iPr-Ph
793	4-C1	H	2-tBu-Ph
794	4-C1	H	2-CH2CO2Me-Ph
795	4-C1	Н	2-(1-piperidinyl)-Ph
796	4-C1	Н	2-(1-pyrrolidinyl)-Ph
797	4-C1	H	2-(2-imidazolyl)-Ph
798	4-C1	Н	2-(1-imidazolyl)-Ph
799	4-C1	Н	2-(2-thiazolyl)-Ph
800	4-C1	Н	2-(3-pyrazolyl)-Ph
801	4-C1	Н	2-(1-pyrazolyl)-Ph
802	4-C1	Н	2-(5-Me-1-tetrazolyl)-Ph
803	4-C1	Н	2-(1-Me-5-tetrazolyl)-Ph
804	4-C1	H	2-(2-pyridyl)-Ph
805	4-C1	Н	2-(2-thienyl)-Ph
806	4-C1	Н	2-(2-furanyl)-Ph
807	4-C1	Н	2,4-diF-Ph
808	4-C1	Н	2,5-diF-Ph
809	4-C1	Н	2,6-diF-Ph
810	4-C1	H	3,4-diF-Ph
811	4-C1	H	3,5-diF-Ph
812	4-C1	Н	2,4-diCl-Ph
813	4-C1	H	2,5-diCl-Ph
814	4-C1	H	2,6-diCl-Ph
815	4-C1	Н	3,4-diCl-Ph
816	4-C1	H	3,5-diCl-Ph
817	4-C1	H	3,4-diCF3-Ph
818	4-C1	H	3,5-diCF3-Ph
819	4-C1	H	5-C1-2-MeO-Ph
820	4-C1	H	5-C1-2-Me-Ph
821	4-C1	H	2-F-5-Me-Ph
822	4-C1	H	3-F-5-morpholino-Ph
823	4-C1	H	3,4-OCH2O-Ph
824	4-C1	H	3,4-OCH2CH2O-Ph
825	4-C1	H	2-MeO-5-CONH2-Ph
826	4-C1	H	2-MeO-4-(1-Me-5-tetrazolyl)-Ph
827	4-C1	H	2-MeO-4-(1-Me-5-tetrazoly1)-Ph
828	4-C1	H	3-CONH2-5-(1-Me-5-tetrazoly1)-Ph
040	14-61	п	D-COMUS-D- (I-ME-D-CECTUSOTAT) - BII

			<del></del>
829	4-C1	H	1-naphthyl
830	4-C1	H	2-naphthyl
831	4-C1	H	2-thienyl
832	4-Cl	H	3-thienyl
833	4-C1	H	2-furanyl
834	4-C1	H	3-furanyl
835	4-C1	H	2-pyridyl
836	4-C1	H	3-pyridyl
837	4-C1	H	4-pyridyl
838	4-C1	H	2-indolyl
839	4-C1	H	3-indolyl
840	4-C1	H	5-indolyl
841	4-C1	H	6-indolyl
842	4-Cl	H	3-indazolyl
843	4-C1	H	5-indazolyl
844	4-C1	H	6-indazolyl
845	4-C1	H	2-imidazolyl
846	4-Cl	H	3-isoxazoyl
847	4-C1	H	3-pyrazolyl
848	4-C1	H	2-thiadiazolyl
849	4-C1	Н	2-thiazolyl
850	4-C1	Н	5-Ac-4-Me-2-thiazolyl
851	4-C1	Н	5-tetrazolyl
852	4-C1	Н	2-benzimidazolyl
853	4-C1	Ħ	5-benzimidazolyl
854	4-C1	Н	2-benzothiazolyl
855	4-C1	Н	5-benzothiazolyl
856	4-C1	Н	2-benzoxazolyl
857	4-C1	H	5-benzoxazolyl
858	4-C1	Н	1-adamantyl
859	4-C1	H	2-adamantyl
860	4-C1	Н	i-Pr_
861	4-C1	Н	t-Bu
862	4-C1	Н	c-Hex
863	4-C1	H	CH2CH2OMe
864	4-C1	Н	CH2CONH2
865	4-C1	Н	CH2CO2Me
866	4-C1	Н	CH(CH2Ph)CO2Me
867	4-C1	H	CH2CH2NMe2
868	4-C1	H	benzyl
869	4-C1	Н	phenethyl
870	4-C1	H	2-(morpholin-1-yl)-Et
871	2-F	Me	Ph
872	2-F	Me	3-CN-Ph
873	2-F	Me	3-COMe-Ph
874	2-F	Me	3-CO2Me-Ph
875	2-F	Me	3-CONH2-Ph
876	2-F	Me	3-CONHMe-Ph
877	2-F	Me	3-F-Ph
878	2-F	Me	3-Cl-Ph
879	2-F	Me	3-Br-Ph
880	2-F	Me	3-SO2NH2-Ph
881	2-F	Me	3-SO2NHMe-Ph
882	2-F	Me	3-CF3-Ph
883	2-F	Me Me	3-OMe-Ph
000		I.T.E	J OHE III

C 004		36-	2 CMa Db
884	2-F	Me	3-SMe-Ph
885	2-F	Me_	3-SOMe-Ph 3-SO2Me-Ph
886	2-F	Me	3-502Me-Ph 3-OH-Ph
887	2-F	Me	
888	2-F	Me	3-CH2OH-Ph
889	2-F	Me	3-CHOHMe-Ph
890	2-F	Me	3-COH (Me) 2-Ph
891	2-F	Me	3-Me-Ph
892	2-F	Me	3-Et-Ph
893	2-F	Me	3-iPr-Ph
894	2-F	Me	3-tBu-Ph
895	2-F	Me	3-CH2CO2Me-Ph
896	2-F	Me	3-(1-piperidinyl)-Ph
897	2-F	Me	3-(1-pyrrolidiny1)-Ph
898	2-F	Me	3-(2-imidazolyl)-Ph
899	2-F	Me	3-(1-imidazolyl)-Ph
900	2-F	Me	3-(2-thiazolyl)-Ph
901	2-F	Me	3-(3-pyrazolyl)-Ph
902	2-F	Me	3-(1-pyrazolyl)-Ph
903	2-F	Me	3-(5-Me-1-tetrazoly1)-Ph
904	2-F	Me	3-(1-Me-5-tetrazolyl)-Ph
905	2-F	Me	3-(2-pyridyl)-Ph
906	2-F	Me	3-(2-thienyl)-Ph
907	2-F	Me	3-(2-furany1)-Ph
908	2-F	Me	4-CN-Ph
909	2-F	Me	4-COMe-Ph
910	2-F	Me	4-CO2Me-Ph
911	2-F	Me	4-CONH2-Ph_
912	2-F	Me	4-CONHMe-Ph
913	2-F	Me	4-CONHPh-Ph
914	2-F	Me	4-F-Ph
915	2-F	Me	4-Cl-Ph
916	2-F	Me	4-Br-Ph
917	2-F	Me	4-SO2NH2-Ph
918	2-F	Me	4-SO2NHMe-Ph
919	2-F	Me	4-CF3-Ph
920	2-F	Me	4-OMe-Ph
921	2-F	Me	4-SMe-Ph
922	2-F	Me	4-SOMe-Ph
923	2-F	Me	4-SO2Me-Ph
924	2-F	Me	4-OH-Ph
925	2-F	Me	4-CH2OH-Ph
926	2-F	Me	4-CHOHMe-Ph
927	2-F	Me	4-COH(Me)2-Ph
928	2-F	Me	4-Me-Ph
929	2-F	Me	4-Et-Ph
930	2-F	Me	4-iPr-Ph
931	2-F	Me	4-tBu-Ph
932	2-F	Me	4-CH2CO2Me-Ph
933	2-F	Me	4-(1-piperidinyl)-Ph
934	2-F	Me	4-(1-pyrrolidinyl)-Ph
935	2-F	Me	4-(2-imidazolyl)-Ph
936	2-F	Me	4-(1-imidazolyl)-Ph
937	2-F	Me	4-(2-thiazolyl)-Ph
938	2-F	Me	4-(3-pyrazolyl)-Ph
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939	2-F	Me	4-(1-pyrazolyl)-Ph
940	2-F	Me	4-(5-Me-1-tetrazolyl)-Ph
941	2-F	Me	4-(1-Me-5-tetrazoly1)-Ph
942	2-F	Me	4-(2-pyridyl)-Ph
943	2-F	Me	4-(2-thienyl)-Ph
944	2-F	Me	4-(2-furanyl)-Ph
945	2-F	Me	2-CN-Ph
946	2-F	Me	2-COMe-Ph
947	2-F	Me	2-CO2Me-Ph
948	2-F	Me	2-CONH2-Ph
949	2-F	Me	2-CONHMe-Ph
950	2-F	Me	2-F-Ph
951	2-F	Me	2-C1-Ph
952	2-F	Me	2-Br-Ph
953	2-F	Me	2-SO2NH2-Ph
954	2-F	Me	2-SO2NHMe-Ph
955	2-F	Me	2-CF3-Ph
956	2-F	Me	2-OMe-Ph
957	2-F	Me	2-SMe-Ph
958	2-F	Me	2-SOMe-Ph
959	2-F	Me	2-SO2Me-Ph
960	2-F	Me	2-OH-Ph
961	2-F	Me	2-CH2OH-Ph
962	2-F	Me	2-CHOHMe-Ph
963	2-F	Me	2-COH(Me)2-Ph
964	2-F	Me	2-Me-Ph
965	2-F	Me	2-Et-Ph
966	2-F	Me	2-iPr-Ph
967	2-F	Me	2-tBu-Ph
968	2-F	Me	2-CH2CO2Me-Ph
969	2-F	Me	2-(1-piperidiny1)-Ph
970	2-F	Me	2-(1-pyrrolidinyl)-Ph
971	2-F	Me	2-(2-imidazolyl)-Ph
972	2-F	Me	2-(1-imidazolyl)-Ph
973	2-F	Me	2-(2-thiazolyl)-Ph
974	2-F	Me	2-(3-pyrazolyl)-Ph
975	2-F	Me	2-(1-pyrazolyl)-Ph
976	2-F	Me	2-(5-Me-1-tetrazolyl)-Ph
977	2-F	Me	2-(1-Me-5-tetrazolyl)-Ph
978	2-F	Me	2-(2-pyridyl)-Ph
979	2-F	Me	2-(2-thienyl)-Ph
980	2-F	Me	2-(2-furanyl)-Ph
981	2-F	Me	2,4-diF-Ph
982	2-F	Me	2,5-diF-Ph
983	2-F	Me	2,6-diF-Ph
984	2-F	Me	3,4-diF-Ph
985	2-F	Me	3,5-diF-Ph
986	2-F	Me	2,4-diCl-Ph
987	2-F	Me	2,5-diCl-Ph
988	2-F	Me	2,6-diCl-Ph
989	2-F	Me	3,4-diCl-Ph
990	2-F	Me	3,5-diCl-Ph
991	2-F	Me	3,4-diCF3-Ph
992	2-F	Me	3,5-diCF3-Ph
993	2-F	Me	5-C1-2-MeO-Ph

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994	2-F	Me	5-C1-2-Me-Ph
995	2-F	Me	2-F-5-Me-Ph
996	2-F	Me	3-F-5-morpholino-Ph
997	2-F	Me	3,4-OCH2O-Ph
998	2-F	Me	3,4-OCH2CH2O-Ph
999	2-F	Me	2-MeO-5-CONH2-Ph
1000	2-F	Me	2-MeO-4-(1-Me-5-tetrazolyl)-Ph
1001	2-F	Me	2-MeO-5-(1-Me-5-tetrazolyl)-Ph
1002	2-F	Me	3-CONH2-5-(1-Me-5-tetrazolyl)-Ph
1003	2-F	Me	1-naphthyl
1004	2-F	Me	2-naphthyl
1005	2-F	Me	2-thienyl
1006	2-F	Me	3-thienyl
1007	2-F	Me	2-furanyl
1008	2-F	Мe	3-furanyl
1009	2-F	Me	2-pyridyl
1010	2-F	Me	3-pyridyl
1011	2-F	Me	4-pyridyl
1012	2-F	Me	2-indolyl
1013	2-F	Me	3-indolyl
1014	2-F	Me	5-indolyl
1015	2-F	Me	6-indolyl
1016	2-F	Me	3-indazolyl
1017	2-F	Me	5-indazolyl
1018	2-F	Me	6-indazolyl
1019	2-F	Me	2-imidazolyl
1020	2-F	Me	3-isoxazoyl
1021	2-F	Me	3-pyrazolyl
1022	2-F	Me	2-thiadiazolyl
1023	2-F	Me	2-thiazolyl
1024	2-F	Me	5-Ac-4-Me-2-thiazolyl
1025	2-F	Me	5-tetrazolyl
1026	2-F	Me	2-benzimidazolyl
1027	2-F	Me	5-benzimidazolyl
1028	2-F	Me	2-benzothiazolyl
1029	2-F	Me	5-benzothiazolyl
1030	2-F	Me	2-benzoxazolyl
1031	2-F	Me	5-benzoxazolyl
1032	2-F	Me	1-adamantyl
1033	2-F	Me	2-adamanty1
1034	2-F	Me	i-Pr
1035	2-F	Me	t-Bu
1036	2-F	Me	c-Hex
1037	2-F	Me	CH2CH2OMe
1037	2-F	Me	CH2CONH2
1039	2-F	Me	CH2CO2Me
1040	2-F	Me	CH2CO2Ne CH (CH2Ph) CO2Me
1041	2-F 2-F	Me	CH2CH2NMe2
1041	2-F	Me	benzy1
1042	2-F 2-F	Me Me	phenethyl
	2-F		2-(morpholin-1-yl)-Et
1044	2-F	Me	2-(morpholin-1-y1)-Et Ph
1045	3-F	Me	3-CN-Ph
1046		Me	
1047	3-F	Me	3-COMe-Ph
1048	3-F	Me	3-CO2Me-Ph

1049	3-F	Me	3-CONH2-Ph
1050	3-F	Me	3-CONHMe-Ph
1051	3-F	Me	3-F-Ph
1052	3-F	Me	3-Cl-Ph
1053	3-F	Me	3-Br-Ph
1054	3-F	Me	3-SO2NH2-Ph
1055	3-F	Me	3-SO2NHMe-Ph
1056	3-F	Me	3-CF3-Ph
1057	3-F	Me	3-OMe-Ph
1058	3-F	Me	3-SMe-Ph
1059	3-F	Me	3-SOMe-Ph
1060	3-F	Me	3-SO2Me-Ph
1061	3-F	Me	3-OH-Ph
1062	3-F	Me	3-CH2OH-Ph
1063	3-F	Me	3-CHOHMe-Ph
1063		Me Me	3-COH (Me) 2-Ph
1064	3-F	Ме	3-Me-Ph
	3-F	ме	3-Me-Fii 3-Et-Ph
1066	3-F		3-iPr-Ph
1067	3-F	Me	3-1F1-F11 3-tBu-Ph
1068	3-F 3-F	Me	3-CH2CO2Me-Ph
1069	3-F	Me	3-CH2CO2Me-PH 3-(1-piperidiny1)-Ph
1070		Me	
1071	3-F	Me	3-(1-pyrrolidinyl)-Ph
1072	3-F	Me	3-(2-imidazoly1)-Ph
1073	3-F	Me	3-(1-imidazoly1)-Ph
1074	3-F	Me	3-(2-thiazolyl)-Ph
1075	3-F	Me	3-(3-pyrazolyl)-Ph
1076	3-F	Me	3-(1-pyrazolyl)-Ph
1077	3-F	Me	3-(5-Me-1-tetrazolyl)-Ph
1078	3-F	Me	3-(1-Me-5-tetrazolyl)-Ph
1079	3-F	Me	3-(2-pyridyl)-Ph 3-(2-thienyl)-Ph
1080	3-F 3-F	Me Me	3-(2-threny1)-Ph
1081			4-CN-Ph
1082	3-F	Me	4-CN-PH 4-COMe-Ph
1083	3-F 3-F	Me	4-COME-PH 4-CO2Me-Ph
1084		Me	4-COZME-PH 4-CONH2-Ph
1085	3-F	Me	
1086	3-F	Me	4-CONHMe-Ph
1087	3-F 3-F	Me	4-CONHPh-Ph 4-F-Ph
1088		Me	4-F-Pn 4-C1-Ph
1089	3-F	Me	4-C1-Ph 4-Br-Ph
1090	3-F	Me	
1091	3-F	Me	4-SO2NH2-Ph
1092	3-F	Me	4-SO2NHMe-Ph
1093	3-F	Me	4-CF3-Ph
1094	3-F	Me	4-OMe-Ph
1095	3-F	Me	4-SMe-Ph
1096	3-F	Me	4-SOMe-Ph
1097	3-F	Me	4-SO2Me-Ph
1098	3-F	Me	4-OH-Ph
1099	3-F	Me	4-CH2OH-Ph
1100	3-F	Me	4-CHOHMe-Ph
1101	3-F	Me	4-COH (Me) 2-Ph
1102	3-F	Me	4-Me-Ph
1103	3-F	Me	4-Et-Ph

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1104	3-F	Me	4-iPr-Ph
1105	3-F	Me	4-tBu-Ph
1106	3-F	Me	4-CH2CO2Me-Ph
1107	3-F	Me	4-(1-piperidinyl)-Ph
1108	3-F	Me	4-(1-pyrrolidinyl)-Ph
1109	3-F	Me	4-(2-imidazolyl)-Ph
1110	3-F	Me	4-(1-imidazolyl)-Ph
1111	3-F	Me	4-(2-thiazolyl)-Ph
1112	3-F	Me	4-(3-pyrazolyl)-Ph
1113	3-F	Me	4-(1-pyrazolyl)-Ph
1114	3-F	Me	4-(5-Me-1-tetrazolyl)-Ph
1115	3-F	Me	4-(1-Me-5-tetrazolyl)-Ph
1116	3-F	Me	4-(2-pyridyl)-Ph
1117	3-F	Me	4-(2-thienyl)-Ph
1118	3-F	Me	4-(2-furanyl)-Ph
1119	3-F	Me	2-CN-Ph
1120	3-F	Me	2-COMe-Ph
1121	3-F	Me	2-CO2Me-Ph
1122	3-F	Me	2-CONH2-Ph
1123	3-F	Me	2-CONHMe-Ph
1123	3-F	Me	2-F-Ph
	3-F		2-F-FH 2-C1-Ph
1125		Me	2-C1-Pf1 2-Br-Ph
1126	3-F	Me	
1127	3-F	Me	2-SO2NH2-Ph
1128	3-F	Me	2-SO2NHMe-Ph
1129	3-F	Me	2-CF3-Ph
1130	3-F	Me	2-OMe-Ph
1131	3-F	Me	2-SMe-Ph
1132	3-F	Me	2-SOMe-Ph
1133	3-F	Me	2-SO2Me-Ph
1134	3-F	Me	2-OH-Ph
1135	3-F	Me	2-CH2OH-Ph
1136	3-F	Me	2-CHOHMe-Ph
1137	3-F	Me	2-COH(Me)2-Ph
1138	3-F	Me	2-Me-Ph
1139	3-F	Me	2-Et-Ph
1140	3-F	Me	2-iPr-Ph
1141	3-F	Me	2-tBu-Ph
1142	3-F	Me	2-CH2CO2Me-Ph
1143	3-F	Me	2-(1-piperidiny1)-Ph
1144	3-F	Me	2-(1-pyrrolidinyl)-Ph
1145	3-F	Me	2-(2-imidazolyl)-Ph
1146	3-F	Me	2-(1-imidazoly1)-Ph
1147	3-F	Me	2-(2-thiazolyl)-Ph
1148	3-F	Me	2-(3-pyrazolyl)-Ph
1149	3-F	Me	2-(1-pyrazolyl)-Ph
1150	3-F	Me	2-(5-Me-1-tetrazoly1)-Ph
1151	3-F	Me	2-(1-Me-5-tetrazolyl)-Ph
1152	3-F	Me	2-(1 Me 3 ccclazoly1) 111 2-(2-pyridyl)-Ph
1153	3-F	Ме	2-(2-by:ldy:)-Fii 2-(2-thieny:)-Ph
1154	3-F	ме	2-(2-threny1)-Fh 2-(2-furany1)-Ph
	3-F		2-(2-1014Ny1)-PN 2,4-diF-Ph
1155		Me	
1156	3-F	Me	2,5-diF-Ph
1157	3-F	Me	2,6-diF-Ph
1158	3-F	Me	3,4-diF-Ph

1150	2 5	Mo	3,5-diF-Ph
1159	3-F 3-F	Me	2,4-diCl-Ph
1160	3-F	Me	2,4-dic1-Ph 2,5-dic1-Ph
1161	3-F	Me Me	2,5-dic1-Ph 2,6-dic1-Ph
1162	3-F		3,4-diCl-Ph
1163		Me	3,4-dici-Pn
1164	3-F	Me	3,5-diCl-Ph
1165	3-F	Me	3,4-diCF3-Ph
1166	3-F	Me	3,5-diCF3-Ph
1167	3-F	Me	5-C1-2-MeO-Ph
1168	3-F	Me	5-Cl-2-Me-Ph
1169	3-F	Me	2-F-5-Me-Ph
1170_	3-F	Me	3-F-5-morpholino-Ph
1171	3-F	Me	3,4-0CH2O-Ph
1172	3-F	Me	3,4-OCH2CH2O-Ph
1173	3-F	Me	2-MeO-5-CONH2-Ph
1174	3-F	Me	2-MeO-4-(1-Me-5-tetrazolyl)-Ph
1175	3-F	Me	2-MeO-5-(1-Me-5-tetrazoly1)-Ph
1176	3-F	Me	3-CONH2-5-(1-Me-5-tetrazoly1)-Ph
1177_	3-F	Me	1-naphthyl
1178	3-F	Me	2-naphthyl
1179	3-F	Me	2-thienyl
1180_	3-F	Me	3-thienyl
1181	3-F	Me	2-furanyl
1182	3-F	Me	3-furanyl
1183	3-F	Me	2-pyridyl
1184	3-F	Me	3-pyridyl
1185_	3-F	Me	4-pyridyl
1186	3-F	Me	2-indolyl
1187	3-F	Me	3-indolyl
1188_	3-F	Me	5-indolyl
1189	3-F	Me	6-indolyl
1190	3-F	Me	3-indazolyl
1191	3-F	Me	5-indazolyl
1192	3-F	Me	6-indazolyl
1193	3-F	Me	2-imidazolyl
1194	3-F	Me	3-isoxazoyl
1195_	3-F	Me	3-pyrazolyl
1196_	3-F	Me	2-thiadiazolyl
1197	3-F	Me	2-thiazolyl
1198	3-F	Me	5-Ac-4-Me-2-thiazolyl
1199	3-F	Me	5-tetrazolyl
1200	3-F	Me	2-benzimidazolyl
1201	3-F	Me	5-benzimidazolyl
1202	3-F	Me	2-benzothiazolyl
1203	3-F	Me	5-benzothiazolyl
1204	3-F	Me	2-benzoxazolyl
1205	3-F	Me	5-benzoxazolyl
1206	3-F	Me	1-adamantyl
1207	3-F	Me	2-adamantyl
1208	3-F	Me	i-Pr
1209	3-F	Me	t-Bu
1210	3-F	Me	c-Hex
1211	3-F	Me	CH2CH2OMe
1212	3-F	Me	CH2CONH2
1213	3-F	Me	CH2CO2Me
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1214	3-F	Me	CH(CH2Ph)CO2Me
1214	3-F	Me Me	CH2CH2NMe2
1215	3-F	Me Me	benzyl
	3-F	Me Me	phenethyl
1217	3-F		2-(morpholin-1-yl)-Et
1218		Me	2-(MOIDHOITH-1-Y1)-Et Ph
1219_	4-F	Me	<u></u>
1220	4-F	Me	3-CN-Ph
1221	4-F	Me	3-COMe-Ph
1222	4-F	Me	3-CO2Me-Ph
1223	4-F	Me	3-CONH2-Ph
1224	4-F	Me	3-CONHMe-Ph
1225	4-F	Me	3-F-Ph
1226	4-F	Me	3-Cl-Ph
1227	4-F	Me	3-Br-Ph
1228	4-F	Me	3-SO2NH2-Ph
1229	4-F	Me	3-SO2NHMe-Ph
1230	4-F	Me	3-CF3-Ph
1231	4-F	Me	3-OMe-Ph
1232	4-F	Me	3-SMe-Ph
1233	4-F	Me	3-SOMe-Ph
1234	4-F	Me	3-SO2Me-Ph
1235	4-F	Me	3-OH-Ph
1236	4-F	Me	3-CH2OH-Ph
1237	4-F	Me	3-CHOHMe-Ph
1238	4-F	Me	3-COH(Me)2-Ph
1239	4-F	Me	3-Me-Ph
1240	4-F	Me	3-Et-Ph
1241	4-F	Me	3-iPr-Ph
1242	4-F	Me	3-tBu-Ph
1243	4-F	Me	3-CH2CO2Me-Ph
1244	4-F	Me	3-(1-piperidinyl)-Ph
1245	4-F	Me	3-(1-pyrrolidinyl)-Ph
1246	4-F	Me	3-(2-imidazolyl)-Ph
1247	4-F	Me	3-(1-imidazolyl)-Ph
1248	4-F	Me	3-(2-thiazolyl)-Ph
1249	4-F	Me	3-(3-pyrazolyl)-Ph
1250	4-F	Me	3-(1-pyrazolyl)-Ph
1251	4-F	Me	3-(5-Me-1-tetrazoly1)-Ph
1252	4-F	Me	3-(1-Me-5-tetrazoly1)-Ph
1253	4-F	Me	3-(2-pyridy1)-Ph
1254	4-F	Me	3-(2-thienyl)-Ph
1255	4-F	Me	3-(2-furany1)-Ph
1256	4-F	Me Me	4-CN-Ph
1257	4-F	Me Me	4-COMe-Ph
1258	4-F	Me	4-C02Me-Ph
1259	4-F	Me Me	4-CONH2-Ph
1260	4-F	Me Me	4-CONHMe-Ph
1261	4-F 4-F		4-CONHME-PH 4-CONHPh-Ph
1262	4-F 4-F	Me Me	4-CONHPII-FII 4-F-Ph
			4-F-Pn 4-Cl-Ph
1263	4-F	Me	
1264	4-F	Me	4-Br-Ph
1265	4-F	Me_	4-SO2NH2-Ph
1266	4-F	Me	4-SO2NHMe-Ph
1267	4-F	Me	4-CF3-Ph
1268	4-F	Me	4-OMe-Ph

1269	4-F	Me	4-SMe-Ph
1270	4-F 4-F	Me Me	4-SMe-Ph
1271	4-F	Me Me	4-SO2Me-Ph
1272	4-F	Me	4-OH-Ph
1273	4-F	Me Me	4-CH2OH-Ph
1274	4-F	Me	4-CHOHMe-Ph
1275	4-F	Me	4-COH (Me) 2-Ph
1276	4-F	Me	4-Me-Ph
1277	4-F	Me	4-Et-Ph
1278	4-F	Me	4-iPr-Ph
1279	4-F	Me	4-tBu-Ph
1280	4-F	Me	4-CH2CO2Me-Ph
1281	4-F	Me	4-(1-piperidinyl)-Ph
1282	4-F	Me Me	4-(1-pyrrolidiny1)-Ph
1283	4-F	Me	4-(2-imidazoly1)-Ph
1284	4-F	Me	4-(1-imidazolyl)-Ph
1285	4-F	Me Me	4-(1-1mida201y1)-Fii 4-(2-thiazoly1)-Ph
		Me Me	4-(2-chiazoly1)-Ph
1286 1287	4-F 4-F	Me Me	4-(3-pyrazoly1)-Ph 4-(1-pyrazoly1)-Ph
			4-(1-pylazoly1)-Fh 4-(5-Me-1-tetrazoly1)-Ph
1288 1289	4-F 4-F	Me Mo	4-(3-Me-1-tetrazoly1)-Ph 4-(1-Me-5-tetrazoly1)-Ph
1289	4-F 4-F	Me Me	4-(1-Me-5-tetrazory1)-Ph 4-(2-pyridy1)-Ph
1290	4-F 4-F	ме Ме	4-(2-pylidy1)-Ph 4-(2-thieny1)-Ph
1291	4-F	Me Me	4-(2-threny1)-Fh 4-(2-furany1)-Ph
1293	4-F		2-CN-Ph
1293	4-F 4-F	Me	2-CN-FII 2-COMe-Ph
1295	4-F	Me Me	2-COME-PH 2-CO2Me-Ph
1295	4-F 4-F	Me Me	2-CO2Me-F11 2-CONH2-Ph
1297	4-F	Me Me	2-CONHZ-FH 2-CONHMe-Ph
1298	4-F	Me Me	2-F-Ph
1299	4-F	Me Me	2-C1-Ph
1300	4-F	ме	2-Br-Ph
1300	4-F	Me	2-SO2NH2-Ph
1302	4-F	Me	2-SO2NHMe-Ph
1302	4-F	Me	2-CF3-Ph
1303	4-F	Me	2-OMe-Ph
1305	4-F	Me	2-SMe-Ph
1303	4-F	Me Me	2-SMe-Ph
1307	4-F	Me	2-S0Me-FH 2-S02Me-Ph
1307	4-F	Me	2-OH-Ph
1308	4-F	Me	2-CH2OH-Ph
1310	4-F	Me	2-CHOHMe-Ph
1311	4-F	Me	2-CHOIME 111 2-COH (Me) 2-Ph
1312	4-F	Me Me	2-Con (Ne) 2-Fii
1313	4-F	Me	2-Me-FH 2-Et-Ph
1314	4-F	Me	2-iPr-Ph
1314	4-F	ме	2-1F1-F11 2-tBu-Ph
1315	4-F		2-CH2CO2Me-Ph
1317	4-F 4-F	Me Me	2-Ch2COZMe-PN 2-(1-piperidinyl)-Ph
		Me	2-(1-pyrrolidiny1)-Ph
1318	4-F	Me	2-(1-pyrrolldiny1)-Ph 2-(2-imidazoly1)-Ph
1319	4-F	Me	
1320	4-F	Me	2-(1-imidazolyl)-Ph
1321	4-F	Me	2-(2-thiazoly1)-Ph
1322	4-F	Me	2-(3-pyrazoly1)-Ph
1323	4-F	Me	2-(1-pyrazolyl)-Ph

			<del></del>
1324	4-F	Me	2-(5-Me-1-tetrazolyl)-Ph
1325	4-F	Me	2-(1-Me-5-tetrazolyl)-Ph
1326	4-F	Me	2-(2-pyridyl)-Ph
1327	4-F	Me	2-(2-thienyl)-Ph
1328	4-F	Me	2-(2-furanyl)-Ph
1329	4-F	Me	2,4-diF-Ph
1330	4-F	Me	2,5-diF-Ph
1331	4-F	Me	2,6-diF-Ph
1332	4-F	Me	3,4-diF-Ph
1333	4-F	Me	3,5-diF-Ph
1334	4-F	Me	2,4-diCl-Ph
1335	4-F	Me	2,5-diCl-Ph
1336	4-F	Me	2,6-diCl-Ph
1337	4-F	Me	3,4-diCl-Ph
1338	4-F	Me	3,5-diCl-Ph
1339	4-F	Me	3,4-diCF3-Ph
1340	4-F	Me	3,5-diCF3-Ph
1341	4-F	Me	5-C1-2-MeO-Ph
1342	4-F	Me	5-C1-2-Me-Ph
1343	4-F	Me	2-F-5-Me-Ph
1344	4-F	Me	3-F-5-morpholino-Ph
1345	4-F	Me	3,4-OCH2O-Ph
1346	4-F	Me	3,4-OCH2CH2O-Ph
1347	4-F	Me	2-MeO-5-CONH2-Ph
1348	4-F	Me	2-MeO-4-(1-Me-5-tetrazolyl)-Ph
1349	4-F	Me	2-MeO-5-(1-Me-5-tetrazolyl)-Ph
1350	4-F	Me	3-CONH2-5-(1-Me-5-tetrazolyl)-Ph
1351	4-F	Me	1-naphthyl
1352	4-F	Me	2-naphthyl
1353	4-F	Me	2-thienyl
1354	4-F	Me	3-thienyl
1355	4-F	Me	2-furanyl
1356	4-F	Me	3-furanyl
1357	4-F	Me	2-pyridyl
1358	4-F	Me	3-pyridyl
1359	4-F	Me	4-pyridyl
1360	4-F	Me	2-indolyl
1361	4-F	Me	3-indolyl
1362	4-F	Me	5-indolyl
1363	4-F	Me	6-indolyl
1364	4-F	Me	3-indazolyl
1365	4-F	Me	5-indazolyl
1366	4-F	Me	6-indazolyl
1367	4-F	Me	2-imidazolyl
1368	4-F	Me	3-isoxazoyl
1369	4-F	Me	3-pyrazolyl
1370	4-F	Me	2-thiadiazolyl
1371	4-F	Me	2-thiazolyl
1372	4-F	Me	5-Ac-4-Me-2-thiazolyl
1373	4-F	Me	5-tetrazolyl
1374	4-F	Ме	2-benzimidazolyl
1374	4-F	Me	5-benzimidazolyl
1376	4-F 4-F	Me Me	2-benzothiazolyl
1376	4-F	Me Me	5-benzothiazolyl
			<del> </del>
1378	4-F	Me	2-benzoxazolyl

1380	1379	4 5	Me	5-benzoxazolyl
1381				
1382				
1383				
1384   4-F   Me				
1385				
1386				
1387				
1388				
1389				
1390   4-F   Me				
1391   4-F   Me				
1392				
1393   3-C1   Me	1391	4-F		
1394   3-C1   Me	1392			2-(morpholin-1-yl)-Et
1395   3-Cl   Me	1393		Me	
1396   3-Cl   Me	1394	3-C1	Me	3-CN-Ph
1397   3-Cl   Me   3-CONH2-Ph   1398   3-Cl   Me   3-F-Ph   1400   3-Cl   Me   3-Br-Ph   1401   3-Cl   Me   3-Br-Ph   1402   3-Cl   Me   3-SO2NH2-Ph   1403   3-Cl   Me   3-SO2NH2-Ph   1404   3-Cl   Me   3-SO2NHME-Ph   1404   3-Cl   Me   3-SO2NHME-Ph   1405   3-Cl   Me   3-SME-Ph   1406   3-Cl   Me   3-SME-Ph   1407   3-Cl   Me   3-SME-Ph   1407   3-Cl   Me   3-SOME-Ph   1408   3-Cl   Me   3-SOME-Ph   1409   3-Cl   Me   3-CH2OH-Ph   1410   3-Cl   Me   3-CH2OH-Ph   1411   3-Cl   Me   3-CH0HME-Ph   1412   3-Cl   Me   3-CH0HME-Ph   1413   3-Cl   Me   3-Et-Ph   1414   3-Cl   Me   3-Et-Ph   1415   3-Cl   Me   3-Et-Ph   1416   3-Cl   Me   3-Et-Ph   1417   3-Cl   Me   3-CH2CO2ME-Ph   1418   3-Cl   Me   3-CH2CO2ME-Ph   1419   3-Cl   Me   3-(1-pyrrolidinyl)-Ph   1420   3-Cl   Me   3-(1-pyrrolidinyl)-Ph   1421   3-Cl   Me   3-(2-imidazolyl)-Ph   1422   3-Cl   Me   3-(2-imidazolyl)-Ph   1423   3-Cl   Me   3-(2-imidazolyl)-Ph   1424   3-Cl   Me   3-(2-imidazolyl)-Ph   1425   3-Cl   Me   3-(3-pyrazolyl)-Ph   1426   3-Cl   Me   3-(1-pyrzolyl)-Ph   1426   3-Cl   Me   3-(1-pyrzolyl)-Ph   1426   3-Cl   Me   3-(2-pyridyl)-Ph   1427   3-Cl   Me   3-(2-pyridyl)-Ph   1428   3-Cl   Me   3-(2-pyridyl)-Ph   1429   3-Cl   Me   3-(2-pyridyl)-Ph   1431   3-Cl   Me   3-(2-pyridyl)-Ph   1431	1395	3-C1	Me	3-COMe-Ph
1397   3-C1   Me   3-CONH2-Ph   1398   3-C1   Me   3-CONHME-Ph   1399   3-C1   Me   3-F-Ph   1400   3-C1   Me   3-G1-Ph   1401   3-C1   Me   3-Br-Ph   1402   3-C1   Me   3-SO2NH2-Ph   1403   3-C1   Me   3-SO2NH2-Ph   1404   3-C1   Me   3-SO2NHME-Ph   1405   3-C1   Me   3-SOME-Ph   1406   3-C1   Me   3-SOME-Ph   1407   3-C1   Me   3-SOME-Ph   1407   3-C1   Me   3-SOME-Ph   1409   3-C1   Me   3-SOME-Ph   1410   3-C1   Me   3-CH2OH-Ph   1411   3-C1   Me   3-CH2OH-Ph   1412   3-C1   Me   3-CH0HME-Ph   1412   3-C1   Me   3-CH0HME-Ph   1414   3-C1   Me   3-Et-Ph   1415   3-C1   Me   3-Et-Ph   1416   3-C1   Me   3-Et-Ph   1416   3-C1   Me   3-Et-Ph   1418   3-C1   Me   3-CH2CO2ME-Ph   1419   3-C1   Me   3-CH2CO2ME-Ph   1419   3-C1   Me   3-(1-piperidiny1)-Ph   1420   3-C1   Me   3-(1-piperidiny1)-Ph   1421   3-C1   Me   3-(1-piperidiny1)-Ph   1422   3-C1   Me   3-(1-piperidiny1)-Ph   1423   3-C1   Me   3-(1-piperidiny1)-Ph   1424   3-C1   Me   3-(1-piperidiny1)-Ph   1425   3-C1   Me   3-(1-piperidiny1)-Ph   1426   3-C1   Me   3-(2-thiazoly1)-Ph   1425   3-C1   Me   3-(2-thiazoly1)-Ph   1426   3-C1   Me   3-(1-piperidy1)-Ph   1427   3-C1   Me   3-(1-piperidy1)-Ph   1428   3-C1   Me   3-(1-piperidy1)-Ph   1426   3-C1   Me   3-(1-piperidy1)-Ph   1427   3-C1   Me   3-(1-piperidy1)-Ph   1428   3-C1   Me   3-(1-piperidy1)-Ph   1426   3-C1   Me   3-(2-thiazoly1)-Ph   1427   3-C1   Me   3-(2-thiazoly1)-Ph   1428   3-C1   Me   3-(2-pyridy1)-Ph   1429   3-C1   Me   3-(2-pyridy1)-Ph   1429   3-C1   Me   3-(2-thieny1)-Ph   1429   3-C1   Me   3-(2-thieny1)-Ph   1429   3-C1   Me   3-(2-thieny1)-Ph   1429   3-C1   Me   3-(2-thieny1)-Ph   1431   3-C1   Me   4-CN-Ph   1431   3-C1   Me   4-CN-Ph	1396		Me	
1398   3-C1   Me   3-CONHME-Ph   1399   3-C1   Me   3-F-Ph   1400   3-C1   Me   3-C1-Ph   1401   3-C1   Me   3-SO2NH2-Ph   1402   3-C1   Me   3-SO2NH2-Ph   1403   3-C1   Me   3-SO2NHME-Ph   1404   3-C1   Me   3-CF3-Ph   1405   3-C1   Me   3-SOME-Ph   1406   3-C1   Me   3-SOME-Ph   1407   3-C1   Me   3-SOME-Ph   1409   3-C1   Me   3-SOME-Ph   1409   3-C1   Me   3-SOME-Ph   1410   3-C1   Me   3-CH2OH-Ph   1411   3-C1   Me   3-CH2OH-Ph   1412   3-C1   Me   3-CH2OH-Ph   1413   3-C1   Me   3-CH2OH-Ph   1414   3-C1   Me   3-E1-Ph   1415   3-C1   Me   3-E1-Ph   1416   3-C1   Me   3-E1-Ph   1416   3-C1   Me   3-E1-Ph   1417   3-C1   Me   3-CH2O2ME-Ph   1418   3-C1   Me   3-CH2O2ME-Ph   1419   3-C1   Me   3-CH2O2ME-Ph   1419   3-C1   Me   3-CH2O2ME-Ph   1419   3-C1   Me   3-CH2O2ME-Ph   1420   3-C1   Me   3-C1-pyrrolidinyl)-Ph   1420   3-C1   Me   3-(1-pyrrolidinyl)-Ph   1421   3-C1   Me   3-(1-pyrrolidinyl)-Ph   1422   3-C1   Me   3-(1-pyrrolidinyl)-Ph   1423   3-C1   Me   3-(1-pyrzolyl)-Ph   1424   3-C1   Me   3-(1-pyrzolyl)-Ph   1425   3-C1   Me   3-(1-pyrzolyl)-Ph   1426   3-C1   Me   3-(1-pyrzolyl)-Ph   1426   3-C1   Me   3-(1-pyrzolyl)-Ph   1426   3-C1   Me   3-(1-pyrzolyl)-Ph   1427   3-C1   Me   3-(1-pyrzolyl)-Ph   1428   3-C1   Me   3-(1-pyrzolyl)-Ph   1429   3-C1   Me   3-(1-pyrzolyl)-Ph   1428   3-C1   Me   3-(1-pyrzolyl)-Ph   1429   3-C1   Me   3-(2-pyridyl)-Ph   1429   3-C1   Me   3-(2-pyridyl)-Ph   1430   3-C1   Me   3-(2-pyridyl)-Ph   1431   3-C1   Me   3-(2-pyridyl)-Ph   14				3-CONH2-Ph
1399   3-C1   Me				3-CONHMe-Ph
1400         3-C1         Me         3-Br-Ph           1401         3-C1         Me         3-Br-Ph           1402         3-C1         Me         3-SO2NH2-Ph           1403         3-C1         Me         3-SO2NHM-Ph           1404         3-C1         Me         3-CF3-Ph           1405         3-C1         Me         3-OMe-Ph           1406         3-C1         Me         3-SOMe-Ph           1407         3-C1         Me         3-SOME-Ph           1408         3-C1         Me         3-SOME-Ph           1409         3-C1         Me         3-OH-Ph           1410         3-C1         Me         3-CH2OH-Ph           1411         3-C1         Me         3-CH2OH-Ph           1411         3-C1         Me         3-CHOHME-Ph           1411         3-C1         Me         3-CHOHME-Ph           1411         3-C1         Me         3-Et-Ph           1412         3-C1         Me         3-Et-Ph           1414         3-C1         Me         3-Et-Ph           1416         3-C1         Me         3-CH2CO2Me-Ph           1418         3-C1 <td< td=""><td></td><td></td><td></td><td>3-F-Ph</td></td<>				3-F-Ph
1401         3-Cl         Me         3-Br-Ph           1402         3-Cl         Me         3-SO2NH2-Ph           1403         3-Cl         Me         3-SO2NHM-Ph           1404         3-Cl         Me         3-CF3-Ph           1405         3-Cl         Me         3-OM-Ph           1406         3-Cl         Me         3-SOM-Ph           1407         3-Cl         Me         3-SOM-Ph           1409         3-Cl         Me         3-SOM-Ph           1410         3-Cl         Me         3-CH2OH-Ph           1411         3-Cl         Me         3-CH2OH-Ph           1411         3-Cl         Me         3-CHOHM-Ph           1411         3-Cl         Me         3-CHOHM-Ph           1412         3-Cl         Me         3-CHOHM-Ph           1413         3-Cl         Me         3-Et-Ph           1414         3-Cl         Me         3-Et-Ph           1415         3-Cl         Me         3-iPr-Ph           1416         3-Cl         Me         3-CH2CO2M-Ph           1417         3-Cl         Me         3-(1-piperidinyl)-Ph           1420         3-Cl			Me	3-C1-Ph
1402         3-C1         Me         3-SO2NH2-Ph           1403         3-C1         Me         3-SO2NHMe-Ph           1404         3-C1         Me         3-CF3-Ph           1405         3-C1         Me         3-OMe-Ph           1406         3-C1         Me         3-SMe-Ph           1407         3-C1         Me         3-SO2Me-Ph           1408         3-C1         Me         3-SO2Me-Ph           1410         3-C1         Me         3-CH2OH-Ph           1410         3-C1         Me         3-CH2OH-Ph           1411         3-C1         Me         3-CHOHMe-Ph           1411         3-C1         Me         3-CHOHMe-Ph           1411         3-C1         Me         3-CHOHMe-Ph           1412         3-C1         Me         3-CHOHME-Ph           1413         3-C1         Me         3-CHOHME-Ph           1414         3-C1         Me         3-CHOHME-Ph           1411         3-C1         Me         3-CHOHME-Ph           1411         3-C1         Me         3-CHOHME-Ph           1411         3-C1         Me         3-CH2OH-Ph           1413 <t< td=""><td></td><td></td><td></td><td>3-Br-Ph</td></t<>				3-Br-Ph
1403         3-C1         Me         3-SO2NHMe-Ph           1404         3-C1         Me         3-CF3-Ph           1405         3-C1         Me         3-OMe-Ph           1406         3-C1         Me         3-SMe-Ph           1407         3-C1         Me         3-SO2Me-Ph           1408         3-C1         Me         3-SO2Me-Ph           1409         3-C1         Me         3-CH2OH-Ph           1410         3-C1         Me         3-CH2OH-Ph           1411         3-C1         Me         3-CH2OH-Ph           1411         3-C1         Me         3-CHOHMe-Ph           1411         3-C1         Me         3-CH2OH-Ph           1413         3-C1         Me         3-Me-Ph           1414         3-C1         Me         3-Et-Ph           1415         3-C1         Me         3-Et-Ph           1416         3-C1         Me         3-Et-Ph           1418         3-C1         Me         3-CH2CO2Me-Ph           1418         3-C1         Me         3-(1-piperidinyl)-Ph           1420         3-C1         Me         3-(2-pimidazolyl)-Ph           1421				
1404         3-C1         Me         3-CF3-Ph           1405         3-C1         Me         3-OMe-Ph           1406         3-C1         Me         3-SMe-Ph           1407         3-C1         Me         3-SOME-Ph           1408         3-C1         Me         3-SO2Me-Ph           1409         3-C1         Me         3-OH-Ph           1410         3-C1         Me         3-CH2OH-Ph           1411         3-C1         Me         3-CHOHME-Ph           1411         3-C1         Me         3-CHOHME-Ph           1412         3-C1         Me         3-Me-Ph           1413         3-C1         Me         3-Me-Ph           1414         3-C1         Me         3-Et-Ph           1415         3-C1         Me         3-ET-Ph           1416         3-C1         Me         3-CH2CO2Me-Ph           1418         3-C1         Me         3-CH2CO2Me-Ph           1418         3-C1         Me         3-(1-piperidinyl)-Ph           1420         3-C1         Me         3-(1-piperidinyl)-Ph           1421         3-C1         Me         3-(2-inidazolyl)-Ph           1422				
1405         3-C1         Me         3-OMe-Ph           1406         3-C1         Me         3-SMe-Ph           1407         3-C1         Me         3-SOMe-Ph           1408         3-C1         Me         3-SO2Me-Ph           1409         3-C1         Me         3-OH-Ph           1410         3-C1         Me         3-CH2OH-Ph           1411         3-C1         Me         3-CH2OH-Ph           1411         3-C1         Me         3-CHOHMe-Ph           1411         3-C1         Me         3-Me-Ph           1413         3-C1         Me         3-Me-Ph           1414         3-C1         Me         3-Et-Ph           1415         3-C1         Me         3-ET-Ph           1416         3-C1         Me         3-CH2CO2Me-Ph           1417         3-C1         Me         3-CH2CO2Me-Ph           1418         3-C1         Me         3-(1-piperidinyl)-Ph           1419         3-C1         Me         3-(1-piperidinyl)-Ph           1420         3-C1         Me         3-(1-piperidinyl)-Ph           1421         3-C1         Me         3-(2-imidazolyl)-Ph <td< td=""><td></td><td></td><td></td><td></td></td<>				
1406         3-Cl         Me         3-SMe-Ph           1407         3-Cl         Me         3-SOMe-Ph           1408         3-Cl         Me         3-SO2Me-Ph           1409         3-Cl         Me         3-OH-Ph           1410         3-Cl         Me         3-CH2OH-Ph           1411         3-Cl         Me         3-CHOHMe-Ph           1412         3-Cl         Me         3-CHOHMe-Ph           1413         3-Cl         Me         3-Me-Ph           1414         3-Cl         Me         3-Et-Ph           1415         3-Cl         Me         3-iPr-Ph           1416         3-Cl         Me         3-iPr-Ph           1417         3-Cl         Me         3-(Height Ph)           1418         3-Cl         Me         3-(Height Ph)           1419         3-Cl         Me         3-(1-piperidinyl)-Ph           1420         3-Cl         Me         3-(1-piperidinyl)-Ph           1421         3-Cl         Me         3-(1-piperidinyl)-Ph           1422         3-Cl         Me         3-(1-piperidinyl)-Ph           1423         3-Cl         Me         3-(2-imidazolyl)-Ph      <				
1407         3-Cl         Me         3-SOMe-Ph           1408         3-Cl         Me         3-SOZMe-Ph           1409         3-Cl         Me         3-OH-Ph           1410         3-Cl         Me         3-CH2OH-Ph           1411         3-Cl         Me         3-CHOHME-Ph           1412         3-Cl         Me         3-Me-Ph           1413         3-Cl         Me         3-Me-Ph           1414         3-Cl         Me         3-Et-Ph           1415         3-Cl         Me         3-Et-Ph           1416         3-Cl         Me         3-CH2CO2Me-Ph           1418         3-Cl         Me         3-CH2CO2Me-Ph           1418         3-Cl         Me         3-(1-piperidinyl)-Ph           1419         3-Cl         Me         3-(1-pyrrolidinyl)-Ph           1420         3-Cl         Me         3-(2-imidazolyl)-Ph           1421         3-Cl         Me         3-(2-imidazolyl)-Ph           1422         3-Cl         Me         3-(2-thiazolyl)-Ph           1423         3-Cl         Me         3-(2-thiazolyl)-Ph           1424         3-Cl         Me         3-(3-pyrazolyl)-Ph				
1408         3-Cl         Me         3-SO2Me-Ph           1409         3-Cl         Me         3-OH-Ph           1410         3-Cl         Me         3-CH2OH-Ph           1411         3-Cl         Me         3-CHOHMe-Ph           1412         3-Cl         Me         3-CHOHMe-Ph           1413         3-Cl         Me         3-Me-Ph           1414         3-Cl         Me         3-Et-Ph           1415         3-Cl         Me         3-Et-Ph           1416         3-Cl         Me         3-Et-Ph           1417         3-Cl         Me         3-Et-Ph           1418         3-Cl         Me         3-Et-Ph           1419         3-Cl         Me         3-CH2CO2Me-Ph           1418         3-Cl         Me         3-(1-piperidinyl)-Ph           1420         3-Cl         Me         3-(1-pyrrolidinyl)-Ph           1421         3-Cl         Me         3-(2-imidazolyl)-Ph           1422         3-Cl         Me         3-(2-imidazolyl)-Ph           1423         3-Cl         Me         3-(2-thiazolyl)-Ph           1424         3-Cl         Me         3-(3-pyrazolyl)-Ph <tr< td=""><td></td><td></td><td></td><td></td></tr<>				
1409         3-C1         Me         3-OH-Ph           1410         3-C1         Me         3-CH2OH-Ph           1411         3-C1         Me         3-CHOHMe-Ph           1412         3-C1         Me         3-CHOHMe-Ph           1413         3-C1         Me         3-Me-Ph           1414         3-C1         Me         3-Et-Ph           1415         3-C1         Me         3-IPr-Ph           1416         3-C1         Me         3-CH2CO2Me-Ph           1417         3-C1         Me         3-(1-piperidinyl)-Ph           1418         3-C1         Me         3-(1-piperidinyl)-Ph           1419         3-C1         Me         3-(1-piperidinyl)-Ph           1420         3-C1         Me         3-(1-piperidinyl)-Ph           1421         3-C1         Me         3-(1-piperidinyl)-Ph           1422         3-C1         Me         3-(1-piperidinyl)-Ph           1423         3-C1         Me         3-(2-imidazolyl)-Ph           1424         3-C1         Me         3-(2-thiazolyl)-Ph           1423         3-C1         Me         3-(3-pyrazolyl)-Ph           1424         3-C1         Me				
1410         3-Cl         Me         3-CH2OH-Ph           1411         3-Cl         Me         3-CH0HMe-Ph           1412         3-Cl         Me         3-CH0HMe-Ph           1413         3-Cl         Me         3-Me-Ph           1414         3-Cl         Me         3-Et-Ph           1415         3-Cl         Me         3-EBU-Ph           1416         3-Cl         Me         3-CH2CO2Me-Ph           1418         3-Cl         Me         3-(1-piperidinyl)-Ph           1419         3-Cl         Me         3-(1-piperidinyl)-Ph           1420         3-Cl         Me         3-(2-imidazolyl)-Ph           1421         3-Cl         Me         3-(1-imidazolyl)-Ph           1422         3-Cl         Me         3-(2-thiazolyl)-Ph           1423         3-Cl         Me         3-(2-thiazolyl)-Ph           1424         3-Cl         Me         3-(1-pyrazolyl)-Ph           1424         3-Cl         Me         3-(5-Me-1-tetrazolyl)-Ph           1425         3-Cl         Me         3-(5-Me-1-tetrazolyl)-Ph           1426         3-Cl         Me         3-(2-pyridyl)-Ph           1428         3-Cl <td< td=""><td></td><td></td><td></td><td></td></td<>				
1411       3-C1       Me       3-CHOHMe-Ph         1412       3-C1       Me       3-COH(Me) 2-Ph         1413       3-C1       Me       3-Me-Ph         1414       3-C1       Me       3-Et-Ph         1415       3-C1       Me       3-iPr-Ph         1416       3-C1       Me       3-CH2CO2Me-Ph         1418       3-C1       Me       3-(1-piperidinyl)-Ph         1419       3-C1       Me       3-(1-piperidinyl)-Ph         1420       3-C1       Me       3-(1-pyrrolidinyl)-Ph         1421       3-C1       Me       3-(2-imidazolyl)-Ph         1421       3-C1       Me       3-(2-imidazolyl)-Ph         1422       3-C1       Me       3-(2-thiazolyl)-Ph         1423       3-C1       Me       3-(2-thiazolyl)-Ph         1424       3-C1       Me       3-(1-pyrazolyl)-Ph         1425       3-C1       Me       3-(5-Me-1-tetrazolyl)-Ph         1426       3-C1       Me       3-(2-pyridyl)-Ph         1427       3-C1       Me       3-(2-thienyl)-Ph         1428       3-C1       Me       3-(2-thienyl)-Ph         1429       3-C1       Me <t< td=""><td></td><td></td><td></td><td></td></t<>				
1412       3-Cl       Me       3-COH(Me) 2-Ph         1413       3-Cl       Me       3-Me-Ph         1414       3-Cl       Me       3-Et-Ph         1415       3-Cl       Me       3-iPr-Ph         1416       3-Cl       Me       3-CH2CO2Me-Ph         1417       3-Cl       Me       3-(H2CO2Me-Ph)         1418       3-Cl       Me       3-(H2CO2Me-Ph)         1419       3-Cl       Me       3-(H2CO2Me-Ph)         1419       3-Cl       Me       3-(H2CO2Me-Ph)         1420       3-Cl       Me       3-(H2CO2Me-Ph)         1421       3-Cl       Me       3-(H2CO2Me-Ph)         1422       3-Cl       Me       3-(H2CO2Me-Ph)         1423       3-Cl       Me       3-(H2CO2Me-Ph)         1424       3-Cl       Me       3-(H2CO2Me-Ph)         1424       3-Cl       Me       3-(H2CO2Me-Ph)         1425       3-Cl       Me       3-(H2CO2Me-Ph)         1426       3-Cl       Me       3-(H2CO2Me-Ph)         1427       3-Cl       Me       3-(H2CO2Me-Ph)         1428       3-Cl       Me       3-(H2CO2Me-Ph)         143				
1413       3-Cl       Me       3-Me-Ph         1414       3-Cl       Me       3-Et-Ph         1415       3-Cl       Me       3-iPr-Ph         1416       3-Cl       Me       3-tBu-Ph         1417       3-Cl       Me       3-CH2CO2Me-Ph         1418       3-Cl       Me       3-(1-piperidinyl)-Ph         1419       3-Cl       Me       3-(1-piperidinyl)-Ph         1420       3-Cl       Me       3-(2-imidazolyl)-Ph         1421       3-Cl       Me       3-(1-imidazolyl)-Ph         1422       3-Cl       Me       3-(2-thiazolyl)-Ph         1423       3-Cl       Me       3-(3-pyrazolyl)-Ph         1424       3-Cl       Me       3-(1-pyrazolyl)-Ph         1425       3-Cl       Me       3-(5-Me-1-tetrazolyl)-Ph         1426       3-Cl       Me       3-(2-pyridyl)-Ph         1427       3-Cl       Me       3-(2-pyridyl)-Ph         1428       3-Cl       Me       3-(2-thienyl)-Ph         1429       3-Cl       Me       3-(2-furanyl)-Ph         1430       3-Cl       Me       4-CN-Ph         1431       3-Cl       Me       4-CN-Ph				
1414       3-Cl       Me       3-Et-Ph         1415       3-Cl       Me       3-iPr-Ph         1416       3-Cl       Me       3-tBu-Ph         1417       3-Cl       Me       3-CH2CO2Me-Ph         1418       3-Cl       Me       3-(1-piperidinyl)-Ph         1419       3-Cl       Me       3-(1-pyrrolidinyl)-Ph         1420       3-Cl       Me       3-(2-imidazolyl)-Ph         1421       3-Cl       Me       3-(2-thiazolyl)-Ph         1422       3-Cl       Me       3-(2-thiazolyl)-Ph         1423       3-Cl       Me       3-(1-pyrazolyl)-Ph         1424       3-Cl       Me       3-(1-pyrazolyl)-Ph         1425       3-Cl       Me       3-(5-Me-1-tetrazolyl)-Ph         1426       3-Cl       Me       3-(2-pyridyl)-Ph         1427       3-Cl       Me       3-(2-pyridyl)-Ph         1428       3-Cl       Me       3-(2-thienyl)-Ph         1429       3-Cl       Me       3-(2-furanyl)-Ph         1430       3-Cl       Me       4-CN-Ph         1431       3-Cl       Me       4-COMe-Ph				
1415       3-Cl       Me       3-iPr-Ph         1416       3-Cl       Me       3-tBu-Ph         1417       3-Cl       Me       3-CH2CO2Me-Ph         1418       3-Cl       Me       3-(1-piperidinyl)-Ph         1419       3-Cl       Me       3-(1-pyrrolidinyl)-Ph         1420       3-Cl       Me       3-(2-imidazolyl)-Ph         1421       3-Cl       Me       3-(1-imidazolyl)-Ph         1422       3-Cl       Me       3-(2-thiazolyl)-Ph         1423       3-Cl       Me       3-(3-pyrazolyl)-Ph         1424       3-Cl       Me       3-(1-pyrazolyl)-Ph         1425       3-Cl       Me       3-(5-Me-1-tetrazolyl)-Ph         1426       3-Cl       Me       3-(2-pyridyl)-Ph         1427       3-Cl       Me       3-(2-pyridyl)-Ph         1428       3-Cl       Me       3-(2-thienyl)-Ph         1429       3-Cl       Me       3-(2-furanyl)-Ph         1430       3-Cl       Me       4-CN-Ph         1431       3-Cl       Me       4-COMe-Ph				
1416       3-Cl       Me       3-tBu-Ph         1417       3-Cl       Me       3-CH2CO2Me-Ph         1418       3-Cl       Me       3-(1-piperidinyl)-Ph         1419       3-Cl       Me       3-(2-imidazolyl)-Ph         1420       3-Cl       Me       3-(2-imidazolyl)-Ph         1421       3-Cl       Me       3-(1-imidazolyl)-Ph         1422       3-Cl       Me       3-(2-thiazolyl)-Ph         1423       3-Cl       Me       3-(3-pyrazolyl)-Ph         1424       3-Cl       Me       3-(1-pyrazolyl)-Ph         1425       3-Cl       Me       3-(5-Me-1-tetrazolyl)-Ph         1426       3-Cl       Me       3-(2-pyridyl)-Ph         1427       3-Cl       Me       3-(2-pyridyl)-Ph         1428       3-Cl       Me       3-(2-thienyl)-Ph         1429       3-Cl       Me       3-(2-thienyl)-Ph         1430       3-Cl       Me       4-CN-Ph         1431       3-Cl       Me       4-CN-Ph				
1417       3-Cl       Me       3-CH2CO2Me-Ph         1418       3-Cl       Me       3-(1-piperidinyl)-Ph         1419       3-Cl       Me       3-(2-imidazolyl)-Ph         1420       3-Cl       Me       3-(1-imidazolyl)-Ph         1421       3-Cl       Me       3-(2-thiazolyl)-Ph         1422       3-Cl       Me       3-(2-thiazolyl)-Ph         1423       3-Cl       Me       3-(1-pyrazolyl)-Ph         1424       3-Cl       Me       3-(5-Me-1-tetrazolyl)-Ph         1425       3-Cl       Me       3-(1-Me-5-tetrazolyl)-Ph         1426       3-Cl       Me       3-(2-pyridyl)-Ph         1427       3-Cl       Me       3-(2-thienyl)-Ph         1428       3-Cl       Me       3-(2-thienyl)-Ph         1429       3-Cl       Me       3-(2-furanyl)-Ph         1430       3-Cl       Me       4-CN-Ph         1431       3-Cl       Me       4-COMe-Ph				
1418       3-Cl       Me       3-(1-piperidinyl)-Ph         1419       3-Cl       Me       3-(1-pyrrolidinyl)-Ph         1420       3-Cl       Me       3-(2-imidazolyl)-Ph         1421       3-Cl       Me       3-(1-imidazolyl)-Ph         1422       3-Cl       Me       3-(2-thiazolyl)-Ph         1423       3-Cl       Me       3-(3-pyrazolyl)-Ph         1424       3-Cl       Me       3-(1-pyrazolyl)-Ph         1425       3-Cl       Me       3-(5-Me-1-tetrazolyl)-Ph         1426       3-Cl       Me       3-(2-pyridyl)-Ph         1427       3-Cl       Me       3-(2-pyridyl)-Ph         1428       3-Cl       Me       3-(2-thienyl)-Ph         1429       3-Cl       Me       3-(2-furanyl)-Ph         1430       3-Cl       Me       4-CN-Ph         1431       3-Cl       Me       4-COMe-Ph				
1419       3-Cl       Me       3-(1-pyrrolidinyl)-Ph         1420       3-Cl       Me       3-(2-imidazolyl)-Ph         1421       3-Cl       Me       3-(1-imidazolyl)-Ph         1422       3-Cl       Me       3-(2-thiazolyl)-Ph         1423       3-Cl       Me       3-(3-pyrazolyl)-Ph         1424       3-Cl       Me       3-(1-pyrazolyl)-Ph         1425       3-Cl       Me       3-(5-Me-1-tetrazolyl)-Ph         1426       3-Cl       Me       3-(2-pyridyl)-Ph         1427       3-Cl       Me       3-(2-pyridyl)-Ph         1428       3-Cl       Me       3-(2-thienyl)-Ph         1429       3-Cl       Me       3-(2-furanyl)-Ph         1430       3-Cl       Me       4-CN-Ph         1431       3-Cl       Me       4-COMe-Ph				
1420       3-Cl       Me       3-(2-imidazolyl)-Ph         1421       3-Cl       Me       3-(1-imidazolyl)-Ph         1422       3-Cl       Me       3-(2-thiazolyl)-Ph         1423       3-Cl       Me       3-(3-pyrazolyl)-Ph         1424       3-Cl       Me       3-(1-pyrazolyl)-Ph         1425       3-Cl       Me       3-(5-Me-1-tetrazolyl)-Ph         1426       3-Cl       Me       3-(2-pyridyl)-Ph         1427       3-Cl       Me       3-(2-pyridyl)-Ph         1428       3-Cl       Me       3-(2-thienyl)-Ph         1429       3-Cl       Me       3-(2-furanyl)-Ph         1430       3-Cl       Me       4-CN-Ph         1431       3-Cl       Me       4-COMe-Ph				
1421     3-Cl     Me     3-(1-imidazolyl)-Ph       1422     3-Cl     Me     3-(2-thiazolyl)-Ph       1423     3-Cl     Me     3-(3-pyrazolyl)-Ph       1424     3-Cl     Me     3-(1-pyrazolyl)-Ph       1425     3-Cl     Me     3-(5-Me-1-tetrazolyl)-Ph       1426     3-Cl     Me     3-(1-Me-5-tetrazolyl)-Ph       1427     3-Cl     Me     3-(2-pyridyl)-Ph       1428     3-Cl     Me     3-(2-thienyl)-Ph       1429     3-Cl     Me     3-(2-furanyl)-Ph       1430     3-Cl     Me     4-CN-Ph       1431     3-Cl     Me     4-COMe-Ph				
1422     3-Cl     Me     3-(2-thiazolyl)-Ph       1423     3-Cl     Me     3-(3-pyrazolyl)-Ph       1424     3-Cl     Me     3-(1-pyrazolyl)-Ph       1425     3-Cl     Me     3-(5-Me-1-tetrazolyl)-Ph       1426     3-Cl     Me     3-(1-Me-5-tetrazolyl)-Ph       1427     3-Cl     Me     3-(2-pyridyl)-Ph       1428     3-Cl     Me     3-(2-thienyl)-Ph       1429     3-Cl     Me     3-(2-furanyl)-Ph       1430     3-Cl     Me     4-CN-Ph       1431     3-Cl     Me     4-COMe-Ph				
1423     3-Cl     Me     3-(3-pyrazolyl)-Ph       1424     3-Cl     Me     3-(1-pyrazolyl)-Ph       1425     3-Cl     Me     3-(5-Me-1-tetrazolyl)-Ph       1426     3-Cl     Me     3-(1-Me-5-tetrazolyl)-Ph       1427     3-Cl     Me     3-(2-pyridyl)-Ph       1428     3-Cl     Me     3-(2-thienyl)-Ph       1429     3-Cl     Me     3-(2-furanyl)-Ph       1430     3-Cl     Me     4-CN-Ph       1431     3-Cl     Me     4-COMe-Ph				
1424     3-Cl     Me     3-(1-pyrazolyl)-Ph       1425     3-Cl     Me     3-(5-Me-1-tetrazolyl)-Ph       1426     3-Cl     Me     3-(1-Me-5-tetrazolyl)-Ph       1427     3-Cl     Me     3-(2-pyridyl)-Ph       1428     3-Cl     Me     3-(2-thienyl)-Ph       1429     3-Cl     Me     3-(2-furanyl)-Ph       1430     3-Cl     Me     4-CN-Ph       1431     3-Cl     Me     4-COMe-Ph				
1425     3-Cl     Me     3-(5-Me-1-tetrazoly1)-Ph       1426     3-Cl     Me     3-(1-Me-5-tetrazoly1)-Ph       1427     3-Cl     Me     3-(2-pyridy1)-Ph       1428     3-Cl     Me     3-(2-thieny1)-Ph       1429     3-Cl     Me     3-(2-furany1)-Ph       1430     3-Cl     Me     4-CN-Ph       1431     3-Cl     Me     4-COMe-Ph				
1426     3-Cl     Me     3-(1-Me-5-tetrazolyl)-Ph       1427     3-Cl     Me     3-(2-pyridyl)-Ph       1428     3-Cl     Me     3-(2-thienyl)-Ph       1429     3-Cl     Me     3-(2-furanyl)-Ph       1430     3-Cl     Me     4-CN-Ph       1431     3-Cl     Me     4-COMe-Ph				
1427     3-Cl     Me     3-(2-pyridyl)-Ph       1428     3-Cl     Me     3-(2-thienyl)-Ph       1429     3-Cl     Me     3-(2-furanyl)-Ph       1430     3-Cl     Me     4-CN-Ph       1431     3-Cl     Me     4-COMe-Ph				
1428     3-Cl     Me     3-(2-thienyl)-Ph       1429     3-Cl     Me     3-(2-furanyl)-Ph       1430     3-Cl     Me     4-CN-Ph       1431     3-Cl     Me     4-COMe-Ph				
1429     3-Cl     Me     3-(2-furanyl)-Ph       1430     3-Cl     Me     4-CN-Ph       1431     3-Cl     Me     4-COMe-Ph				
1430     3-Cl     Me     4-CN-Ph       1431     3-Cl     Me     4-COMe-Ph				
1431 3-C1 Me 4-COMe-Ph				
1432   3-C1   Me   4-CO2Me-Ph				
	1432	3-C1	Me	4-CO2Me-Ph
1433 3-Cl Me 4-CONH2-Ph	1433	3-C1	Me	4-CONH2-Ph

1434     3-C1     Me     4-CONHMe-Ph       1435     3-C1     Me     4-CONHPh-Ph       1436     3-C1     Me     4-F-Ph       1437     3-C1     Me     4-C1-Ph       1438     3-C1     Me     4-Br-Ph       1439     3-C1     Me     4-SO2NH2-Ph       1440     3-C1     Me     4-CF3-Ph       1441     3-C1     Me     4-CF3-Ph       1442     3-C1     Me     4-OMe-Ph       1443     3-C1     Me     4-SMe-Ph       1444     3-C1     Me     4-SOMe-Ph	
1436     3-Cl     Me     4-F-Ph       1437     3-Cl     Me     4-Cl-Ph       1438     3-Cl     Me     4-Br-Ph       1439     3-Cl     Me     4-SO2NH2-Ph       1440     3-Cl     Me     4-SO2NHMe-Ph       1441     3-Cl     Me     4-CF3-Ph       1442     3-Cl     Me     4-OMe-Ph       1443     3-Cl     Me     4-SMe-Ph	
1437     3-C1     Me     4-C1-Ph       1438     3-C1     Me     4-Br-Ph       1439     3-C1     Me     4-SO2NH2-Ph       1440     3-C1     Me     4-SO2NHMe-Ph       1441     3-C1     Me     4-CF3-Ph       1442     3-C1     Me     4-OMe-Ph       1443     3-C1     Me     4-SMe-Ph	
1438     3-C1     Me     4-Br-Ph       1439     3-C1     Me     4-SO2NH2-Ph       1440     3-C1     Me     4-SO2NHMe-Ph       1441     3-C1     Me     4-CF3-Ph       1442     3-C1     Me     4-OMe-Ph       1443     3-C1     Me     4-SMe-Ph	
1439     3-C1     Me     4-SO2NH2-Ph       1440     3-C1     Me     4-SO2NHMe-Ph       1441     3-C1     Me     4-CF3-Ph       1442     3-C1     Me     4-OMe-Ph       1443     3-C1     Me     4-SMe-Ph	
1440     3-C1     Me     4-SO2NHMe-Ph       1441     3-C1     Me     4-CF3-Ph       1442     3-C1     Me     4-OMe-Ph       1443     3-C1     Me     4-SMe-Ph	
1441     3-Cl     Me     4-CF3-Ph       1442     3-Cl     Me     4-OMe-Ph       1443     3-Cl     Me     4-SMe-Ph	
1442     3-Cl     Me     4-OMe-Ph       1443     3-Cl     Me     4-SMe-Ph	
1443 3-C1 Me 4-SMe-Ph	
1449 3-C1 Me 4-COH (Me) 2-Ph	
1450 3-C1 Me 4-Me-Ph	
1451 3-Cl Me 4-Et-Ph	
1452 3-C1 Me 4-iPr-Ph	
1453 3-C1 Me 4-tBu-Ph	
1454 3-C1 Me 4-CH2CO2Me-Ph	
1455 3-Cl Me 4-(1-piperidinyl)-Ph	
1456 3-C1 Me 4-(1-pyrrolidinyl)-Ph	
1457 3-C1 Me 4-(2-imidazoly1)-Ph	
1458 3-C1 Me 4-(1-imidazoly1)-Ph	
1459 3-Cl Me 4-(2-thiazolyl)-Ph	
1460 3-C1 Me 4-(3-pyrazolyl)-Ph	-·
1461 3-Cl Me 4-(1-pyrazolyl)-Ph	
1462 3-C1 Me 4-(5-Me-1-tetrazoly1)-Ph	
1463 3-C1 Me 4-(1-Me-5-tetrazoly1)-Ph	
1464 3-C1 Me 4-(2-pyridy1)-Ph	
1465 3-Cl Me 4-(2-thienyl)-Ph	
1466 3-C1 Me 4-(2-furanyl)-Ph	
1467 3-C1 Me 2-CN-Ph	
1468 3-C1 Me 2-COMe-Ph	
1469 3-C1 Me 2-CO2Me-Ph	
1470 3-C1 Me 2-CONH2-Ph	
1471 3-C1 Me 2-CONHMe-Ph	
1472 3-C1 Me 2-F-Ph	
1473 3-Cl Me 2-Cl-Ph	
1474 3-C1 Me 2-Br-Ph	
1475 3-C1 Me 2-SO2NH2-Ph	
1476 3-C1 Me 2-SO2NHMe-Ph	
1477 3-C1 Me 2-CF3-Ph	
1478 3-C1 Me 2-OMe-Ph	
1479 3-Cl Me 2-SMe-Ph	
1480 3-C1 Me 2-SOMe-Ph	
1481 3-C1 Me 2-SO2Me-Ph	
1482 3-Cl Me 2-OH-Ph	
1483 3-C1 Me 2-CH2OH-Ph	
1484 3-Cl Me 2-CHOHMe-Ph	
1485 3-Cl Me 2-COH(Me)2-Ph	
1486 3-Cl Me 2-Me-Ph	
1487 3-Cl Me 2-Et-Ph	
1488 3-C1 Me 2-iPr-Ph	

1489	3-C1	Me	2-tBu-Ph
1490	3-C1	Me	2-CH2CO2Me-Ph
1491	3-C1	Me	2-(1-piperidinyl)-Ph
1492	3-Cl	Me	2-(1-pyrrolidinyl)-Ph
1493	3-C1	Me_	2-(2-imidazolyl)-Ph
1494	3-C1	Me	2-(1-imidazolyl)-Ph
1495	3-C1	Me	2-(2-thiazolyl)-Ph
1496	3-C1	Me	2-(3-pyrazolyl)-Ph
1497	3-C1	Me	2-(1-pyrazolyl)-Ph
1498	3-C1	Me	2-(5-Me-1-tetrazoly1)-Ph
1499	3-C1	Me	2-(1-Me-5-tetrazolyl)-Ph
1500	3-C1	Me	2-(2-pyridyl)-Ph
1501	3-C1	Me	2-(2-thienyl)-Ph
1502	3-C1	Me	2-(2-furanyl)-Ph
1503	3-C1	Me	2,4-diF-Ph
1504	3-C1	Me	2,5-diF-Ph
1505	3-C1	Me	2,6-diF-Ph
1506	3-C1	Me	3,4-diF-Ph
1507	3-C1	Me	3,5-diF-Ph
1508	3-C1	Me	2,4-diCl-Ph
1509	3-C1	Me	2,5-diCl-Ph
1510	3-C1	Me	2,6-diCl-Ph
1511	3-C1	Me	3,4-diCl-Ph
1512	3-C1	Me	3,5-diCl-Ph
1513	3-C1	Me	3,4-diCF3-Ph
1514	3-C1	Me	3,5-diCF3-Ph
1515	3-C1	Me	5-C1-2-MeO-Ph
1516	3-C1	Me	5-C1-2-Me-Ph
1517	3-C1	Me	2-F-5-Me-Ph
1518	3-C1	Me	3-F-5-morpholino-Ph
1519	3-C1	Me	3,4-OCH2O-Ph
1520	3-C1	Me	3,4-OCH2CH2O-Ph
1521	3-C1	Me	2-MeO-5-CONH2-Ph
1522	3-C1	Me	2-MeO-4-(1-Me-5-tetrazolyl)-Ph
1523	3-C1	Me	2-MeO-5-(1-Me-5-tetrazolyl)-Ph
1524	3-C1	Me	3-CONH2-5-(1-Me-5-tetrazolyl)-Ph
1525	3-C1	Me	1-naphthyl
1526	3-C1	Me	2-naphthyl
1527	3-C1	Me	2-thienyl
1528	3-C1	Me	3-thienyl
1529	3-C1	Me	2-furanyl
1530	3-C1	Me	3-furanyl
1531	3-C1	Me	2-pyridyl
1532	3-C1	Me	3-pyridyl
1533	3-C1	Me	4-pyridyl
1534	3-C1	Me	2-indolyl
1535	3-C1	Me	3-indolyl
1536	3-C1	Me	5-indolyl
1537	3-C1	Me	6-indolyl
1538	3-C1	Me	3-indazolyl
1539	3-C1	Me	5-indazolyl
1540	3-C1	Me	6-indazolyl
1541	3-C1	Me	2-imidazolyl
1542	3-C1	Me	3-isoxazoyl
1543	3-C1	Me	3-pyrazolyl
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1544	3-C1	Me	2-thiadiazolyl
1545	3-C1	Me	2-thiazolyl
1546	3-C1	Me Me	5-Ac-4-Me-2-thiazolyl
1547	3-C1	Me	5-tetrazolyl
1548	3-C1	Me	2-benzimidazolyl
1549	3-C1	Me	5-benzimidazolyl
1550	3-C1	Me Me	2-benzothiazolyl
1551	3-C1	Me	5-benzothiazolyl
1552	3-C1	Ме	2-benzoxazolyl
1553	3-C1	Me	5-benzoxazolyl
1554	3-C1	Me	1-adamantyl
1555	3-C1	Me	2-adamantyl
1556	3-C1	Me Me	i-Pr
1557	3-C1	Me Me	t-Bu
1558	3-C1	Me Me	c-Hex
			CH2CH2OMe
1559	3-C1	Me Me	CH2CONH2
1560	3-C1		
1561	3-C1	Me	CH2CO2Me CH(CH2Ph)CO2Me
1562	3-C1	Me	CH (CH2PH) CO2Me CH2CH2NMe2
1563	3-C1	Me	benzyl
1564	3-C1	Me	
1565	3-C1	Me	phenethyl
1566	3-C1	Me	2-(morpholin-1-yl)-Et
1567	4-C1	Me	Ph
1568	4-C1	Me	3-CN-Ph
1569	4-C1	Me	3-COMe-Ph
1570	4-C1	Me	3-CO2Me-Ph
1571	4-C1	Me	3-CONH2-Ph
1572	4-Cl	Me	3-CONHMe-Ph
1573	4-C1	Me	3-F-Ph
1574	4-C1	Me	3-C1-Ph 3-Br-Ph
1575	4-C1	Me	3-B1-P11 3-S02NH2-Ph
1576	4-C1	Me	3-SO2NH2-PH 3-SO2NHMe-Ph
1577	4-C1	Me	<del></del>
1578	4-Cl	Me	3-CF3-Ph 3-OMe-Ph
1579	4-C1	Me	
1580	4-Cl	Me	3-SMe-Ph
1581	4-C1	Me	3-SOMe-Ph
1582	4-C1	Me	3-SO2Me-Ph
1583	4-C1	Me	3-OH-Ph
1584	4-Cl	Me	3-CH2OH-Ph
1585	4-C1	Me	3-CHOHMe-Ph
1586	4-Cl	Me	3-COH (Me) 2-Ph
1587	4-C1	Me	3-Me-Ph
1588	4-C1	Me	3-Et-Ph
1589	4-C1	Me	3-iPr-Ph
1590	4-C1	Me	3-tBu-Ph
1591	4-Cl	Me	3-CH2CO2Me-Ph
1592	4-C1	Me	3-(1-piperidiny1)-Ph
1593	4-C1	Me	3-(1-pyrrolidinyl)-Ph
1594	4-C1	Me	3-(2-imidazoly1)-Ph
1595	4-C1	Me	3-(1-imidazolyl)-Ph
1596	4-C1	Me	3-(2-thiazolyl)-Ph
1597	4-C1	Me	3-(3-pyrazolyl)-Ph
1598	4-C1	Me	3-(1-pyrazolyl)-Ph

1599	4-C1	Me	3-(5-Me-1-tetrazolyl)-Ph
1600	4-C1	Me	3-(1-Me-5-tetrazolyl)-Ph
1601	4-C1	Me	3-(2-pyridyl)-Ph
1602	4-C1	Me	3-(2-thienyl)-Ph
1603	4-C1	Me	3-(2-furanyl)-Ph
1604	4~Cl	Me	4-CN-Ph
1605	4-C1	Me	4-COMe-Ph
1606	4-C1	Me	4-CO2Me-Ph
1607	4-C1	Me	4-CONH2-Ph
1608	4-C1	Me	4-CONHMe-Ph
1609	4-C1	Me	4-CONHPh-Ph
1610	4-C1	Мe	4-F-Ph
1611	4-C1	Me	4-Cl-Ph
1612	4-C1	Me	4-Br-Ph
1613	4-C1	Me	4-SO2NH2-Ph
1614	4-C1	Me	4-SO2NHMe-Ph
1615	4-C1	Me	4-CF3-Ph
1616	4-C1	Me	4-OMe-Ph
1617	4-C1	Me	4-SMe-Ph
1618	4-C1	Me	4-SOMe-Ph
1619	4-C1	Me	4-SO2Me-Ph
1620	4-C1	Me Me	4-OH-Ph
			4-OH-PH 4-CH2OH-Ph
1621	4-C1	Me	
1622	4-C1	Me	4-CHOHMe-Ph
1623	4-C1	Me	4-COH (Me) 2-Ph
1624	4-C1	Me	4-Me-Ph
1625	4-C1	Me	4-Et-Ph
1626	4-C1	Me	4-iPr-Ph
1627	4-C1	Me	4-tBu-Ph
1628	4-C1	Me	4-CH2CO2Me-Ph
1629	4-C1	Me	4-(1-piperidinyl)-Ph
1630	4-C1	Me	4-(1-pyrrolidinyl)-Ph
1631	4-C1	Me	4-(2-imidazoly1)-Ph
1632	4-C1	Me	4-(1-imidazolyl)-Ph
1633	4-Cl	Me	4-(2-thiazolyl)-Ph
1634	4-C1	Me	4-(3-pyrazolyl)-Ph
1635	4-C1	Me	4-(1-pyrazolyl)-Ph
1636	4-Cl	Me	4-(5-Me-1-tetrazolyl)-Ph
1637	4-C1	Me	4-(1-Me-5-tetrazolyl)-Ph
1638	4-C1	Me	4-(2-pyridyl)-Ph
1639	4-C1	Me	4-(2-thienyl)-Ph
1640	4-C1	Me	4-(2-furany1)-Ph
1641	4-C1	Me	2-CN-Ph
1642	4-C1	Me	2-COMe-Ph
1643	4-C1	Me	2-CO2Me-Ph
1644	4-C1	Me	2-CONH2-Ph
1645	4-C1	Me	2-CONHMe-Ph
1646	4-C1	Me	2-F-Ph
1647	4-C1	Me	2-r rn 2-C1-Ph
1648	4-C1	Me	2-C1-F11 2-Br-Ph
			2-B1-P11 2-S02NH2-Ph
1649	4-C1	Me	
1650	4-Cl	Me	2-SO2NHMe-Ph
1651	4-Cl	Me	2-CF3-Ph
1652	4-C1	Me_	2-OMe-Ph
1653	4-C1	Me	2-SMe-Ph

1654	1 A C1	Mo	2-SOMe-Ph
1654	4-Cl	Me Me	<del></del>
1655	4-C1	Me	2-SO2Me-Ph
1656	4-Cl	Me	2-OH-Ph
1657	4-C1	Me	2-CH2OH-Ph
1658	4-C1	Me	2-CHOHMe-Ph
1659	4-C1	Me	2-COH (Me) 2-Ph
1660	4-C1	Me	2-Me-Ph
1661	4-C1	Me	2-Et-Ph
1662	4-Cl	Me	2-iPr-Ph
1663	4-C1	Me	2-tBu-Ph
1664	4-C1	<u>Me</u>	2-CH2CO2Me-Ph
1665	4-C1	Me	2-(1-piperidinyl)-Ph
1666	4-C1	Me	2-(1-pyrrolidinyl)-Ph
1667	4-C1	Me	2-(2-imidazoly1)-Ph
1668	4-C1	Me	2-(1-imidazoly1)-Ph
1669	4-C1	Me	2-(2-thiazolyl)-Ph
1670	4-C1	Me	2-(3-pyrazoly1)-Ph
1671	4-C1	Me	2-(1-pyrazoly1)-Ph
1672	4-C1	Me	2-(5-Me-1-tetrazoly1)-Ph
1673	4-C1	Me	2-(1-Me-5-tetrazolyl)-Ph
1674	4-C1	Me	2-(2-pyridyl)-Ph
1675	4-C1	Me	2-(2-thienyl)-Ph
1676	4-C1	Me	2-(2-furany1)-Ph
1677	4-C1	Me	2,4-diF-Ph
1678	4-C1	Me	2,5-diF-Ph
1679	4-C1	Me	2,6-diF-Ph
1680	4-C1	Me	3,4-diF-Ph
1681	4-C1	Me	3,5-diF-Ph
1682	4-C1	Me	2,4-diCl-Ph
1683	4-C1	Me	2,5-diCl-Ph
1684	4-C1	Me	2,6-diCl-Ph
1685	4-C1	Me Me	3,4-diCl-Ph
1686	4-C1	Me	3,5-diCl-Ph
1687	4-C1	Me Me	3,4-diCF3-Ph
	4-C1		3,5-diCF3-Ph
1688		Me	5-C1-2-MeO-Ph
1689	4-C1	Me	5-C1-2-MeO-FH 5-C1-2-Me-Ph
1690	4-C1	Me	2-F-5-Me-Ph
1691	4-C1	Me	<u></u>
1692	4-C1	Me	3-F-5-morpholino-Ph
1693	4-C1	Me	3,4-OCH2O-Ph
1694	4-C1	Me	3,4-OCH2CH2O-Ph
1695	4-C1	Me	2-MeO-5-CONH2-Ph
1696	4-C1	Me	2-MeO-4-(1-Me-5-tetrazoly1)-Ph
1697	4-C1	Me	2-MeO-5-(1-Me-5-tetrazoly1)-Ph
1698	4-C1	<u>Me</u>	3-CONH2-5-(1-Me-5-tetrazoly1)-Ph
1699	4-Cl	Me	1-naphthyl
1700	4-C1	Me	2-naphthyl
1701	4-C1	Me	2-thienyl
1702_	4-C1	Me	3-thienyl
1703_	4-Cl	Me	2-furanyl
1704	4-C1	Me	3-furanyl
1705	4-C1	Me	2-pyridyl
1706	4-C1	Me	3-pyridyl
1707	4-C1	Me	4-pyridyl
1708	4-C1	Me	2-indolyl

1709	4 03	Mo	2 4 - 2 - 1 - 1
	4-Cl	Me_	3-indoly1
1710	4-C1	Me_	5-indolyl
1711	4-C1	Me	6-indolyl
1712	4-C1	Me	3-indazolyl
1713	4-C1	Me	5-indazolyl
1714	4-C1	Me	6-indazolyl
1715	4-C1	Me_	2-imidazoly1
1716	4-Cl	Me_	3~isoxazoyl
1717	4-C1	Me	3-pyrazolyl
1718	4-C1	Me	2-thiadiazolyl
1719	4-C1	Me	2-thiazolyl
1720	4-C1	Me	5-Ac-4-Me-2-thiazolyl
1721	4-C1	Me	5-tetrazolyl
1722	4-C1	Me	2-benzimidazolyl
1723	4-C1	Me	5-benzimidazolyl
1724	4-Cl	Me	2-benzothiazolyl
1725	4-C1	Me	5-benzothiazolyl
1726	4-C1	Me	2-benzoxazolyl
1727	4-C1	Me	5-benzoxazolyl
1728	4-C1	Me	1-adamantyl
1729	4-C1	Me	2-adamanty1
1730	4-C1	Me	i-Pr
1731	4-C1	Me	t-Bu
1732	4-Cl	Me	c-Hex
1733	4-C1	Me	CH2CH2OMe
1734	4-C1	Me	CH2CONH2
1735	4-C1	Me	CH2CO2Me
1736	4-C1	Me	CH(CH2Ph)CO2Me
1737	4-C1	Me	CH2CH2NMe2
1738	4-C1	Me	benzyl
1739	4-C1	Me	phenethyl
	4-01	Me :	buenechy l

## <u>Utility</u>

The utility of the compounds in accordance with the present invention as modulators of chemokine receptor activity may be demonstrated by methodology known in the art, such as the assays for CCR-2 and CCR-3 ligand binding, as disclosed by Ponath et al., J. Exp. Med., 183, 2437-2448 (1996) and Uguccioni et al., J. Clin. Invest., 100, 1137-1143 (1997). Cell lines for 10 expressing the receptor of interest include those naturally expressing the chemokine receptor, such as EOL-3 or THP-1, those induced to express the chemokine receptor by the addition of chemical or protein agents, such as HL-60 or AML14.3D10 cells treated with, for 15 example, butyric acid with interleukin-5 present, or a cell engineered to express a recombinant chemokine receptor, such as CHO or HEK-293. Finally, blood or

tissue cells, for example human peripheral blood eosinophils, isolated using methods as described by Hansel et al., J. Immunol. Methods, 145, 105- 110 (1991), can be utilized in such assays. In particular, the compound of the present invention have activity in binding to the CCR-3 receptor in the aforementioned assays. As used herein, "activity" is intended to mean a compound demonstrating an IC50 of 10  $\mu$ M or lower in concentration when measured in the aforementioned assays. Such a result is indicative of the intrinsic activity of the compounds as modulators of chemokine receptor activity. A general binding protocol is described below.

### CCR3-Receptor Binding Protocol

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Millipore filter plates (#MABVN1250) are treated with 5  $\mu$ g/ml protamine in phosphate buffered saline, pH 7.2, for ten minutes at room temperature. Plates are washed three times with phosphate buffered saline and 20 incubated with phosphate buffered saline for thirty minutes at room temperature. For binding, 50  $\mu$ l of binding buffer (0.5% bovine serum albumen, 20 mM HEPES buffer and 5 mM magnesium chloride in RPMI 1640 media) with or without a test concentration of a compound 25 present at a known concentration is combined with 50 µl of 125-I labeled human eotaxin (to give a final concentration of 150 pM radioligand) and 50  $\mu$ l of cell suspension in binding buffer containing 5x10<sup>5</sup> total cells. Cells used for such binding assays can include cell lines transfected with a gene expressing CCR3 such 30 as that described by Daugherty et al. (1996), isolated human eosinophils such as described by Hansel et al. (1991) or the AML14.3D10 cell line after differentiation with butyric acid as described by Tiffany et al. (1998). 35 The mixture of compound, cells and radioligand are incubated at room temperature for thirty minutes. Plates are placed onto a vacuum manifold, vacuum applied, and

plates washed three times with binding buffer with 0.5M NaCl added. The plastic skirt is removed from the plate, the plate allowed to air dry, the wells punch out and CPM counted. The percent inhibition of binding is calculated using the total count obtained in the absence of any competing compound or chemokine ligand and the background binding determined by addition of 100 nM eotaxin in place of the test compound.

10 The utility of the compounds in accordance with the present invention as inhibitors of the migration of eosinophils or cell lines expressing the chemokine receptors may be demonstrated by methodology known in the art, such as the chemotaxis assay disclosed by Bacon et 15 al., Brit. J. Pharmacol., 95, 966-974 (1988). particular, the compound of the present invention have activity in inhibition of the migration of eosinophils in the aforementioned assays. As used herein, "activity" is intended to mean a compound demonstrating an IC50 of 10 20 µM or lower in concentration when measured in the aforementioned assays. Such a result is indicative of the intrinsic activity of the compounds as modulators of chemokine receptor activity. A human eosinophil chemotaxis assay protocol is described below.

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### Human Eosinophil Chemotaxis Assay

Neuroprobe MBA96 96-well chemotaxis chambers with Neuroprobe polyvinylpyrrolidone-free polycarbonate PFD5 5-micron filters in place are warmed in a 37°C incubator prior to assay. Freshly isolated human eosinophils, isolated according to a method such as that described by Hansel et al. (1991), are suspended in RPMI 1640 with 0.1% bovine serum albumin at 1 x 10<sup>6</sup> cells/ml and warmed in a 37°C incubator prior to assay. A 20 nM solution of human eotaxin in RPMI 1640 with 0.1% bovine serum albumin is warmed in a 37°C incubator prior to assay. The eosinophil suspension and the 20 nM eotaxin solution are

each mixed 1:1 with prewarmed RPMI 1640 with 0.1% bovine serum albumin with or without a dilution of a test compound that is at two fold the desired final concentration. These mixtures are warmed in a 37°C 5 incubator prior to assay. The filter is separated from the prewarmed Neuroprobe chemotaxis chamber and the eotaxin/compound mixture is placed into a Polyfiltronics MPC 96 well plate that has been placed in the bottom part of the Neuro Probe chemotaxis chamber. The approximate 10 volume is 370 microliters and there should be a positive meniscus after dispensing. The filter is replaced above the 96 well plate, the rubber gasket is attached to the bottom of the upper chamber, and the chamber assembled. A 200 µl volume of the cell suspension/compound mixture 15 is added to the appropriate wells of the upper chamber. The upper chamber is covered with a plate sealer, and the assembled unit placed in a 37°C incubator for 45 minutes. After incubation, the plate sealer is removed and all remaining cell suspension is aspirated off. The chamber 20 is disassembled and, while holding the filter by the sides at a 90-degree angle, unmigrated cells are washed away using a gentle stream of phosphate buffered saline dispensed from a squirt bottle and then the filter wiped with a rubber tipped squeegee. The filter is allowed to 25 completely dry and immersed completely in Wright Giemsa stain for 30-45 seconds. The filter is rinsed with distilled water for 7 minutes, rinsed once with water briefly, and allowed to dry. Migrated cells are enumerated by microscopy.

Mammalian chemokine receptors provide a target for interfering with or promoting immune cell function in a mammal, such as a human. Compounds that inhibit or promote chemokine receptor function are particularly useful for modulating immune cell function for therapeutic purposes. Accordingly, the present invention is directed to compounds which are useful in the prevention and/or treatment of a wide variety of inflammatory, infectious, and immunoregulatory disorders

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and diseases, including asthma and allergic diseases, infection by pathogenic microbes (which, by definition, includes viruses), as well as autoimmune pathologies such as the rheumatoid arthritis and atherosclerosis.

5 For example, an instant compound which inhibits one or more functions of a mammalian chemokine receptor (e.g., a human chemokine receptor) may be administered to inhibit (i.e., reduce or prevent) inflammation or infectious disease. As a result, one or more inflammatory process, such as leukocyte emigration, 10 adhesion, chemotaxis, exocytosis (e.g., of enzymes, histamine) or inflammatory mediator release, is inhibited. For example, eosinophilic infiltration to inflammatory sites (e.g., in asthma or allergic rhinitis) 15 can be inhibited according to the present method. particular, the compound of the following examples has activity in blocking the migration of cells expressing the CCR-3 receptor using the appropriate chemokines in the aforementioned assays. As used herein, "activity" is 20 intended to mean a compound demonstrating an IC50 of 10 µM or lower in concentration when measured in the aforementioned assays. Such a result is also indicative of the intrinsic activity of the compounds as modulators of chemokine receptor activity.

Similarly, an instant compound which promotes one or more functions of the mammalian chemokine receptor (e.g., a human chemokine) as administered to stimulate (induce or enhance) an immune or inflammatory response, such as leukocyte emigration, adhesion, chemotaxis, exocytosis (e.g., of enzymes, histamine) or inflammatory mediator release, resulting in the beneficial stimulation of inflammatory processes. For example, eosinophils can be recruited to combat parasitic infections. In addition, treatment of the aforementioned inflammatory, allergic and autoimmune diseases can also be contemplated for an instant compound which promotes one or more functions of the mammalian chemokine receptor if one contemplates the delivery of sufficient compound to cause the loss of

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receptor expression on cells through the induction of chemokine receptor internalization or the delivery of compound in a manner that results in the misdirection of the migration of cells.

In addition to primates, such as humans, a variety 5 of other mammals can be treated according to the method of the present invention. For instance, mammals, including but not limited to, cows, sheep, goats, horses, dogs, cats, guinea pigs, rats or other bovine, ovine, 10 equine, canine, feline, rodent or murine species can be treated. However, the method can also be practiced in other species, such as avian species. The subject treated in the methods above is a mammal, male or female, in whom modulation of chemokine receptor activity is 15 "Modulation" as used herein is intended to encompass antagonism, agonism, partial antagonism and/or partial agonism.

Diseases or conditions of human or other species which can be treated with inhibitors of chemokine 20 receptor function, include, but are not limited to: inflammatory or allergic diseases and conditions, including respiratory allergic diseases such as asthma, allergic rhinitis, hypersensitivity lung diseases, hypersensitivity pneumonitis, eosinophilic cellulitis 25 (e.g., Well's syndrome), eosinophilic pneumonias (e.g., Loeffler's syndrome, chronic eosinophilic pneumonia), eosinophilic fasciitis (e.g., Shulman's syndrome), delayed-type hypersensitivity, interstitial lung diseases (ILD) (e.g., idiopathic pulmonary fibrosis, or ILD 30 associated with rheumatoid arthritis, systemic lupus erythematosus, ankylosing spondylitis, systemic sclerosis, Sjogren's syndrome, polymyositis or dermatomyositis); systemic anaphylaxis or hypersensitivity responses, drug allergies (e.g., to 35 penicillin, cephalosporins), eosinophilia-myalgia syndrome due to the ingestion of contaminated tryptophan, insect sting allergies; autoimmune diseases, such as rheumatoid arthritis, psoriatic arthritis, multiple sclerosis, systemic lupus erythematosus, myasthenia

gravis, juvenile onset diabetes; glomerulonephritis, autoimmune thyroiditis, Behcet's disease; graft rejection (e.g., in transplantation), including allograft rejection or graft-versus-host disease; inflammatory bowel diseases, such as Crohn's disease and ulcerative colitis; spondyloarthropathies; scleroderma; psoriasis (including T-cell mediated psoriasis) and inflammatory dermatoses such as an dermatitis, eczema, atopic dermatitis, allergic contact dermatitis, urticaria; vasculitis (e.g., 10 necrotizing, cutaneous, and hypersensitivity vasculitis); eosinophilic myositis, eosinophilic fasciitis; cancers with leukocyte infiltration of the skin or organs. diseases or conditions in which undesirable inflammatory responses are to be inhibited can be treated, including, 15 but not limited to, reperfusion injury, atherosclerosis, certain hematologic malignancies, cytokine-induced toxicity (e.g., septic shock, endotoxic shock), polymyositis, dermatomyositis. Infectious diseases or conditions of human or other species which can be treated with inhibitors of chemokine receptor function, include, 20 but are not limited to, HIV.

Diseases or conditions of humans or other species which can be treated with promoters of chemokine receptor function, include, but are not limited to: 25 immunosuppression, such as that in individuals with immunodeficiency syndromes such as AIDS or other viral infections, individuals undergoing radiation therapy, chemotherapy, therapy for autoimmune disease or drug therapy (e.g., corticosteroid therapy), which causes 30 immunosuppression; immunosuppression due to congenital deficiency in receptor function or other causes; and infections diseases, such as parasitic diseases, including, but not limited to helminth infections, such as nematodes (round worms); (Trichuriasis, Enterobiasis, 35 Ascariasis, Hookworm, Strongyloidiasis, Trichinosis, filariasis); trematodes (flukes) (Schistosomiasis, Clonorchiasis), cestodes (tape worms) (Echinococcosis, Taeniasis saginata, Cysticercosis); visceral worms,

visceral larva migraines (e.g., Toxocara), eosinophilic

gastroenteritis (e.g., Anisaki sp., Phocanema sp.), cutaneous larva migraines (Ancylostona braziliense, Ancylostoma caninum). The compounds of the present invention are accordingly useful in the prevention and treatment of a wide variety of inflammatory, infectious and immunoregulatory disorders and diseases. In addition, treatment of the aforementioned inflammatory, allergic and autoimmune diseases can also be contemplated for promoters of chemokine receptor function if one contemplates the delivery of sufficient compound to cause the loss of receptor expression on cells through the induction of chemokine receptor internalization or delivery of compound in a manner that results in the misdirection of the migration of cells.

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In another aspect, the instant invention may be used to evaluate the putative specific agonists or antagonists of a G protein coupled receptor. The present invention is directed to the use of these compounds in the preparation and execution of screening assays for compounds that modulate the activity of chemokine receptors. Furthermore, the compounds of this invention are useful in establishing or determining the binding site of other compounds to chemokine receptors, e.g., by competitive inhibition or as a reference in an assay to compare its known activity to a compound with an unknown activity. When developing new assays or protocols, compounds according to the present invention could be used to test their effectiveness. Specifically, such compounds may be provided in a commercial kit, for example, for use in pharmaceutical research involving the aforementioned diseases. The compounds of the instant invention are also useful for the evaluation of putative specific modulators of the chemokine receptors. addition, one could utilize compounds of this invention to examine the specificity of G protein coupled receptors that are not thought to be chemokine receptors, either by serving as examples of compounds which do not bind or as structural variants of compounds active on these

receptors which may help define specific sites of interaction.

Combined therapy to prevent and treat inflammatory, infectious and immunoregulatory disorders and diseases, including asthma and allergic diseases, as well as 5 autoimmune pathologies such as rheumatoid arthritis and atherosclerosis, and those pathologies noted above is illustrated by the combination of the compounds of this invention and other compounds which are known for such 10 utilities. For example, in the treatment or prevention of inflammation, the present compounds may be used in conjunction with an anti-inflammatory or analgesic agent such as an opiate agonist, a lipoxygenase inhibitor, a cyclooxygenase-2 inhibitor, an interleukin inhibitor, such as an interleukin-1 inhibitor, a tumor necrosis 15 factor inhibitor, an NMDA antagonist, an inhibitor or nitric oxide or an inhibitor of the synthesis of nitric oxide, a non-steroidal anti-inflammatory agent, a phosphodiesterase inhibitor, or a cytokine-suppressing 20 anti-inflammatory agent, for example with a compound such as acetaminophen, aspirin, codeine, fentaynl, ibuprofen, indomethacin, ketorolac, morphine, naproxen, phenacetin, piroxicam, a steroidal analgesic, sufentanyl, sunlindac, interferon alpha and the like. Similarly, the instant 25 compounds may be administered with a pain reliever; a potentiator such as caffeine, an H2-antagonist, simethicone, aluminum or magnesium hydroxide; a decongestant such as phenylephrine, phenylpropanolamine, pseudophedrine, oxymetazoline, ephinephrine, naphazoline, xylometazoline, propylhexedrine, or levodesoxy-ephedrine; and antitussive such as codeine, hydrocodone, caramiphen, carbetapentane, or dextramethorphan; a diuretic; and a sedating or non-sedating antihistamine. Likewise, compounds of the present invention may be used in combination with other drugs that are used in the treatment/prevention/suppression or amelioration of the diseases or conditions for which compound of the present invention are useful. Such other drugs may be administered, by a route and in an amount commonly used

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therefore, contemporaneously or sequentially with a compound of the present invention. When a compound of the present invention is used contemporaneously with one or more other drugs, a pharmaceutical composition containing such other drugs in addition to the compound 5 of the present invention is preferred. Accordingly, the pharmaceutical compositions of the present invention include those that also contain one or more other active ingredients, in addition to a compound of the present 10 invention. Examples of other active ingredients that may be combined with a compound of the present invention, either administered separately or in the same pharmaceutical compositions, include, but are not limited (a) integrin antagonists such as those for selectins, ICAMs and VLA-4; (b) steroids such as 15 beclomethasone, methylprednisolone, betamethasone, prednisone, dexamethasone, and hydrocortisone; (c) immunosuppressants such as cyclosporin, tacrolimus, rapamycin and other FK-506 type immunosuppressants; (d) 20 antihistamines (H1-histamine antagonists) such as bromopheniramine, chlorpheniramine, dexchlorpheniramine, triprolidine, clemastine, diphenhydramine, diphenylpyraline, tripelennamine, hydroxyzine, methdilazine, promethazine, trimeprazine, azatadine, cyproheptadine, antazoline, pheniramine pyrilamine, 25 astemizole, terfenadine, loratadine, cetirizine, fexofenadine, descarboethoxyloratadine, and the like; (e) non-steroidal anti-asthmatics such as b2-agonists (terbutaline, metaproterenol, fenoterol, isoetharine, 30 albuteral, bitolterol, and pirbuterol), theophylline, cromolyn sodium, atropine, ipratropium bromide, leukotriene antagonists (zafirlukast, montelukast, pranlukast, iralukast, pobilukast, SKB-102,203), leukotriene biosynthesis inhibitors (zileuton, BAY-1005); (f) non-steroidal antiinflammatory agents (NSAIDs) such 35 as propionic acid derivatives (alminoprofen, benxaprofen, bucloxic acid, carprofen, fenbufen, fenoprofen, fluprofen, flurbiprofen, ibuprofen, indoprofen, ketoprofen, miroprofen, naproxen, oxaprozin, pirprofen,

pranoprofen, suprofen, tiaprofenic acid, and tioxaprofen), acetic acid derivatives (indomethacin, acemetacin, alclofenac, clidanac, diclofenac, fenclofenac, fenclozic acid, fentiazac, furofenac, 5 ibufenac, isoxepac, oxpinac, sulindac, tiopinac, tolmetin, zidometacin, and zomepirac), fenamic acid derivatives (flufenamic acid, meclofenamic acid, mefenamic acid, niflumic acid and tolfenamic acid), biphenylcarboxylic acid derivatives (diflunisal and 10 flufenisal), oxicams (isoxicam, piroxicam, sudoxicam and tenoxican), salicylates (acetyl salicylic acid, sulfasalazine) and the pyrazolones (apazone, bezpiperylon, feprazone, mofebutazone, oxyphenbutazone, phenylbutazone); (g) cyclooxygenase-2 (COX-2) inhibitors; 15 (h) inhibitors of phosphodiesterase type IV (PDE-IV); (I) other antagonists of the chemokine receptors; (j) cholesterol lowering agents such as HMG-COA reductase inhibitors (lovastatin, simvastatin and pravastatin, fluvastatin, atorvsatatin, and other statins), sequestrants (cholestyramine and colestipol), nicotonic 20 acid, fenofibric acid derivatives (gemfibrozil, clofibrat, fenofibrate and benzafibrate), and probucol; (k) anti-diabetic agents such as insulin, sulfonylureas, biguanides (metformin), a-glucosidase inhibitors 25 (acarbose) and glitazones (troglitazone ad pioglitazone); (1) preparations of interferons (interferon alpha-2a, interferon-2B, interferon alpha-N3, interferon beta-1a, interferon beta-1b, interferon gamma-1b); (m) antiviral compounds such as efavirenz, nevirapine, indinavir, ganciclovir, lamivudine, famciclovir, and zalcitabine; 30 (o) other compound such as 5-aminosalicylic acid an prodrugs thereof, antimetabolites such as azathioprine and 6-mercaptopurine, and cytotoxic cancer chemotherapeutic agents. The weight ratio of the 35 compound of the present invention to the second active ingredient may be varied and will depend upon the effective doses of each ingredient. Generally, an effective dose of each will be used. Thus, for example, when a compound of the present invention is combined with an NSAID the weight ratio of the compound of the present invention to the NSAID will generally range from about 1000:1 to about 1:1000, preferably about 200:1 to about 1:200. Combinations of a compound of the present invention and other active ingredients will generally also be within the aforementioned range, but in each case, an effective dose of each active ingredient should be used.

The compounds are administered to a mammal in a therapeutically effective amount. By "therapeutically effective amount" it is meant an amount of a compound of Formula I that, when administered alone or in combination with an additional therapeutic agent to a mammal, is effective to prevent or ameliorate the thromboembolic disease condition or the progression of the disease.

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# Dosage and Formulation

The compounds of this invention can be administered in such oral dosage forms as tablets, 20 capsules (each of which includes sustained release or timed release formulations), pills, powders, granules, elixirs, tinctures, suspensions, syrups, and emulsions. They may also be administered in intravenous (bolus or infusion), intraperitoneal, subcutaneous, or 25 intramuscular form, all using dosage forms well known to those of ordinary skill in the pharmaceutical arts. can be administered alone, but generally will be administered with a pharmaceutical carrier selected on the basis of the chosen route of administration and 30 standard pharmaceutical practice.

The dosage regimen for the compounds of the present invention will, of course, vary depending upon known factors, such as the pharmacodynamic characteristics of the particular agent and its mode and route of administration; the species, age, sex, health, medical condition, and weight of the recipient; the nature and extent of the symptoms; the kind of concurrent treatment; the frequency of treatment; the route of administration, the renal and hepatic function of the patient, and the

effect desired. A physician or veterinarian can determine and prescribe the effective amount of the drug required to prevent, counter, or arrest the progress of the thromboembolic disorder.

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By way of general guidance, the daily oral dosage of each active ingredient, when used for the indicated effects, will range between about 0.001 to 1000 mg/kg of body weight, preferably between about 0.01 to 100 mg/kg of body weight per day, and most preferably between about 1.0 to 20 mg/kg/day. Intravenously, the most preferred doses will range from about 1 to about 10 mg/kg/minute during a constant rate infusion. Compounds of this invention may be administered in a single daily dose, or the total daily dosage may be administered in divided doses of two, three, or four times daily.

Compounds of this invention can be administered in intranasal form via topical use of suitable intranasal vehicles, or via transdermal routes, using transdermal skin patches. When administered in the form of a transdermal delivery system, the dosage administration will, of course, be continuous rather than intermittent throughout the dosage regimen.

The compounds are typically administered in admixture with suitable pharmaceutical diluents, excipients, or carriers (collectively referred to herein as pharmaceutical carriers) suitably selected with respect to the intended form of administration, that is, oral tablets, capsules, elixirs, syrups and the like, and consistent with conventional pharmaceutical practices.

For instance, for oral administration in the form of a tablet or capsule, the active drug component can be combined with an oral, non-toxic, pharmaceutically acceptable, inert carrier such as lactose, starch, sucrose, glucose, methyl callulose, magnesium stearate, dicalcium phosphate, calcium sulfate, mannitol, sorbitol and the like; for oral administration in liquid form, the oral drug components can be combined with any oral, non-toxic, pharmaceutically acceptable inert carrier such as ethanol, glycerol, water, and the like. Moreover, when

desired or necessary, suitable binders, lubricants, disintegrating agents, and coloring agents can also be incorporated into the mixture. Suitable binders include starch, gelatin, natural sugars such as glucose or betalactose, corn sweeteners, natural and synthetic gums such as acacia, tragacanth, or sodium alginate, carboxymethylcellulose, polyethylene glycol, waxes, and the like. Lubricants used in these dosage forms include sodium oleate, sodium stearate, magnesium stearate, sodium benzoate, sodium acetate, sodium chloride, and the like. Disintegrators include, without limitation, starch, methyl cellulose, agar, bentonite, xanthan gum, and the like.

The compounds of the present invention can also be administered in the form of liposome delivery systems, such as small unilamellar vesicles, large unilamellar vesicles, and multilamellar vesicles. Liposomes can be formed from a variety of phospholipids, such as cholesterol, stearylamine, or phosphatidylcholines.

Compounds of the present invention may also be coupled with soluble polymers as targetable drug carriers. Such polymers can include polyvinylpyrrolidone, pyran copolymer, polyhydroxypropylmethacrylamide-phenol,

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polyhydroxyethylaspartamidephenol, or polyethyleneoxidepolylysine substituted with palmitoyl residues. Furthermore, the compounds of the present invention may be coupled to a class of biodegradable polymers useful in achieving controlled release of a drug, for example,

polylactic acid, polyglycolic acid, copolymers of polylactic and polyglycolic acid, polyepsilon caprolactone, polyhydroxy butyric acid, polyorthoesters, polyacetals, polydihydropyrans, polycyanoacylates, and crosslinked or amphipathic block copolymers of hydrogels.

Dosage forms (pharmaceutical compositions) suitable for administration may contain from about 1 milligram to about 100 milligrams of active ingredient per dosage unit. In these pharmaceutical compositions the active ingredient will ordinarily be present in an amount of

about 0.5-95% by weight based on the total weight of the composition.

Gelatin capsules may contain the active ingredient and powdered carriers, such as lactose, starch, cellulose derivatives, magnesium stearate, stearic acid, and the like. Similar diluents can be used to make compressed tablets. Both tablets and capsules can be manufactured as sustained release products to provide for continuous release of medication over a period of hours. Compressed tablets can be sugar coated or film coated to mask any unpleasant taste and protect the tablet from the atmosphere, or enteric coated for selective disintegration in the gastrointestinal tract.

Liquid dosage forms for oral administration can contain coloring and flavoring to increase patient acceptance.

In general, water, a suitable oil, saline, aqueous dextrose (glucose), and related sugar solutions and glycols such as propylene glycol or polyethylene glycols are suitable carriers for parenteral solutions.

Solutions for parenteral administration preferably contain a water soluble salt of the active ingredient, suitable stabilizing agents, and if necessary, buffer substances. Antioxidizing agents such as sodium bisulfite, sodium sulfite, or ascorbic acid, either alone or combined, are suitable stabilizing agents. Also used are citric acid and its salts and sodium EDTA. In addition, parenteral solutions can contain preservatives, such as benzalkonium chloride, methyl- or propyl-paraben,

Suitable pharmaceutical carriers are described in Remington's Pharmaceutical Sciences, Mack Publishing Company, a standard reference text in this field.

Representative useful pharmaceutical dosage-forms for administration of the compounds of this invention can be illustrated as follows:

# Capsules

and chlorobutanol.

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A large number of unit capsules can be prepared by filling standard two-piece hard gelatin capsules each

with 100 milligrams of powdered active ingredient, 150 milligrams of lactose, 50 milligrams of cellulose, and 6 milligrams magnesium stearate.

### Soft Gelatin Capsules

A mixture of active ingredient in a digestable oil such as soybean oil, cottonseed oil or olive oil may be prepared and injected by means of a positive displacement pump into gelatin to form soft gelatin capsules containing 100 milligrams of the active ingredient. The capsules should be washed and dried.

### <u>Tablets</u>

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Tablets may be prepared by conventional procedures so that the dosage unit is 100 milligrams of active ingredient, 0.2 milligrams of colloidal silicon dioxide, 5 milligrams of magnesium stearate, 275 milligrams of microcrystalline cellulose, 11 milligrams of starch and 98.8 milligrams of lactose. Appropriate coatings may be applied to increase palatability or delay absorption.

### <u>Injectable</u>

A parenteral composition suitable for administration by injection may be prepared by stirring 1.5% by weight of active ingredient in 10% by volume propylene glycol and water. The solution should be made isotonic with sodium chloride and sterilized.

## 25 Suspension

An aqueous suspension can be prepared for oral administration so that each 5 mL contain 100 mg of finely divided active ingredient, 200 mg of sodium carboxymethyl cellulose, 5 mg of sodium benzoate, 1.0 g of sorbitol solution, U.S.P., and 0.025 mL of vanillin.

Where the compounds of this invention are combined with other anticoagulant agents, for example, a daily dosage may be about 0.1 to 100 milligrams of the compound of Formula I and about 1 to 7.5 milligrams of the second anticoagulant, per kilogram of patient body weight. For a tablet dosage form, the compounds of this invention generally may be present in an amount of about 5 to 10 milligrams per dosage unit, and the second anti-coagulant in an amount of about 1 to 5 milligrams per dosage unit.

Where two or more of the foregoing second therapeutic agents are administered with the compound of Formula I, generally the amount of each component in a typical daily dosage and typical dosage form may be reduced relative to the usual dosage of the agent when administered alone, in view of the additive or synergistic effect of the therapeutic agents when administered in combination.

Particularly when provided as a single dosage unit, the potential exists for a chemical interaction between 10 the combined active ingredients. For this reason, when the compound of Formula I and a second therapeutic agent are combined in a single dosage unit they are formulated such that although the active ingredients are combined in 15 a single dosage unit, the physical contact between the active ingredients is minimized (that is, reduced). example, one active ingredient may be enteric coated. enteric coating one of the active ingredients, it is possible not only to minimize the contact between the 20 combined active ingredients, but also, it is possible to control the release of one of these components in the gastrointestinal tract such that one of these components is not released in the stomach but rather is released in the intestines. One of the active ingredients may also 25 be coated with a material which effects a sustainedrelease throughout the gastrointestinal tract and also serves to minimize physical contact between the combined active ingredients. Furthermore, the sustained-released component can be additionally enteric coated such that 30 the release of this component occurs only in the intestine. Still another approach would involve the formulation of a combination product in which the one component is coated with a sustained and/or enteric release polymer, and the other component is also coated 35 with a polymer such as a lowviscosity grade of hydroxypropyl methylcellulose (HPMC) or other appropriate materials as known in the art, in order to further separate the active components. The polymer coating

serves to form an additional barrier to interaction with the other component.

These as well as other ways of minimizing contact between the components of combination products of the present invention, whether administered in a single dosage form or administered in separate forms but at the same time by the same manner, will be readily apparent to those skilled in the art, once armed with the present disclosure.

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10 As will be apparent to one skilled in the art, numerous modifications and variations of the present invention are possible in light of the above teachings. It is therefore to be understood that within the scope of the appended claims, the invention may be practiced otherwise than as specifically described herein.